

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

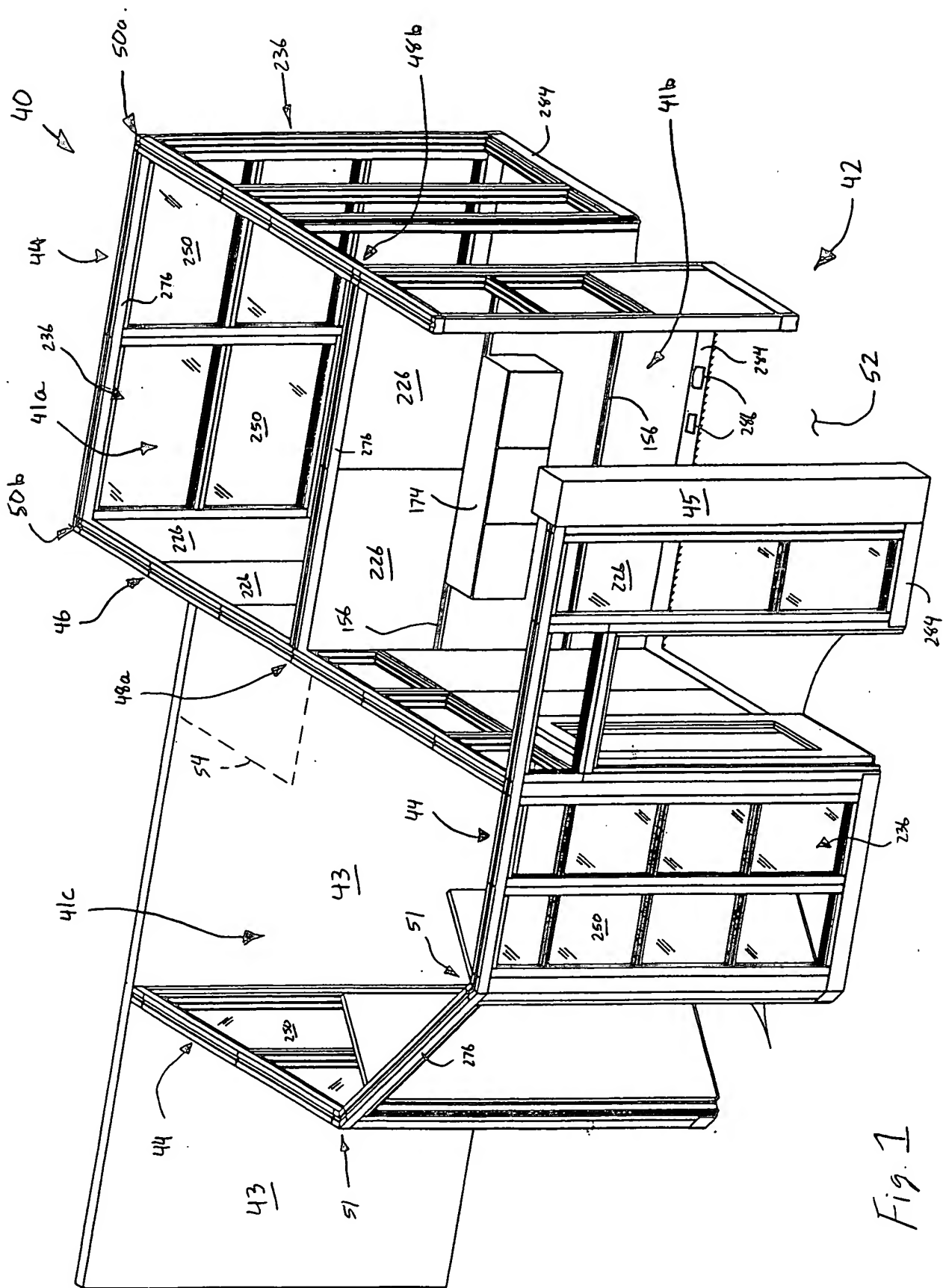


Fig. 1

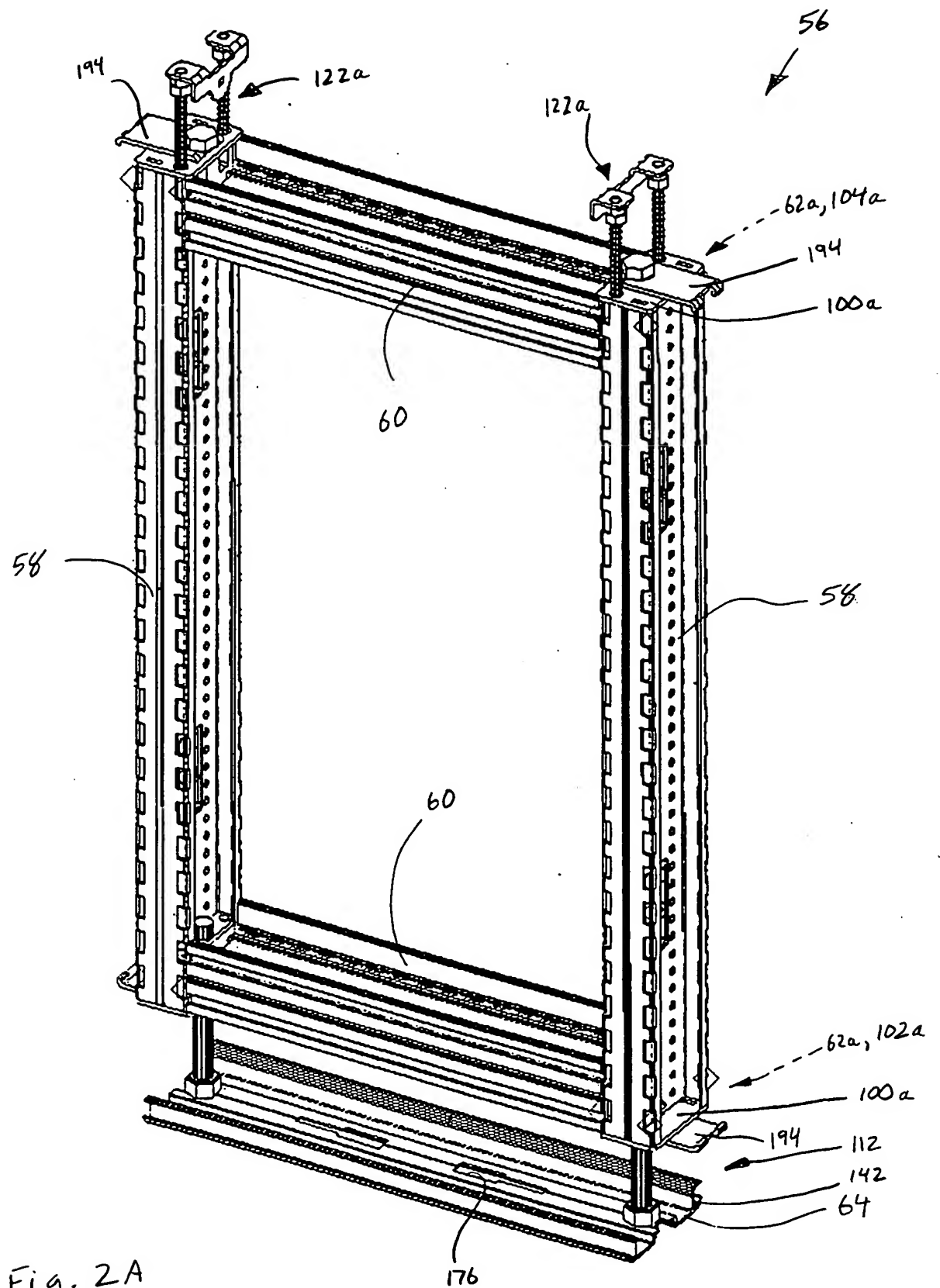


Fig. 2A

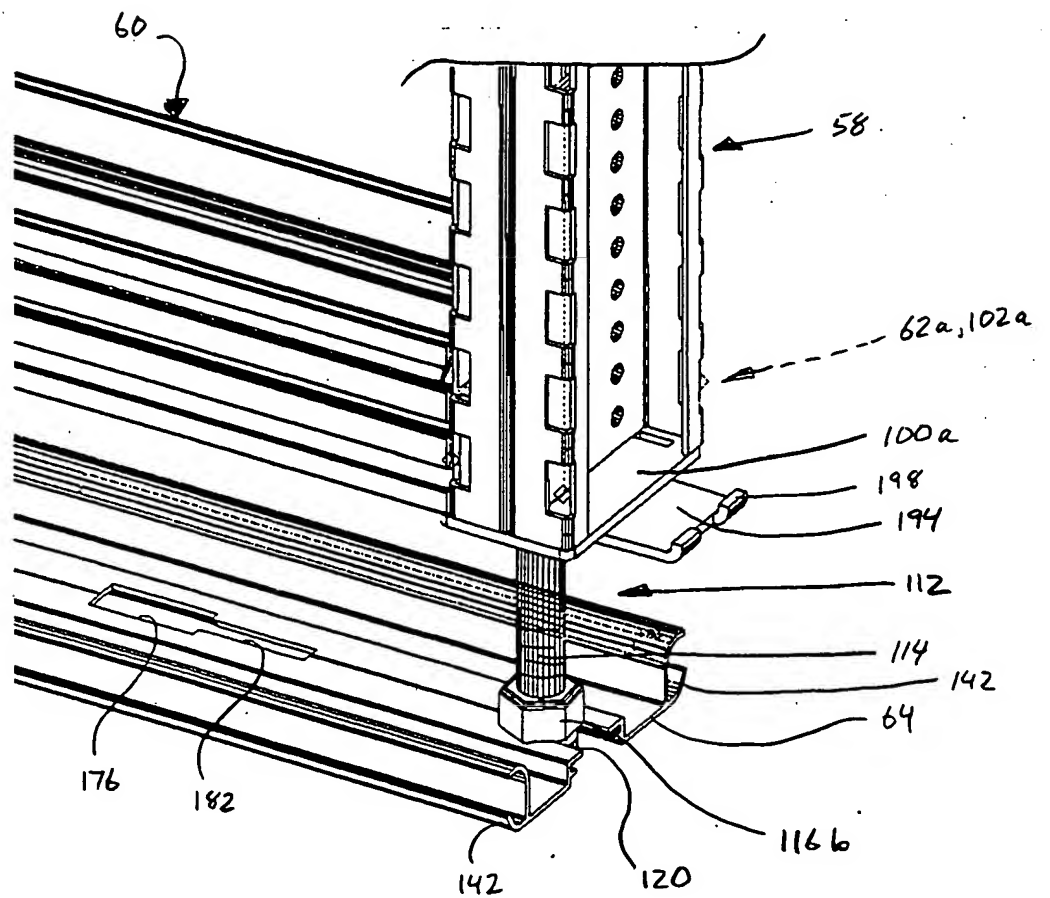
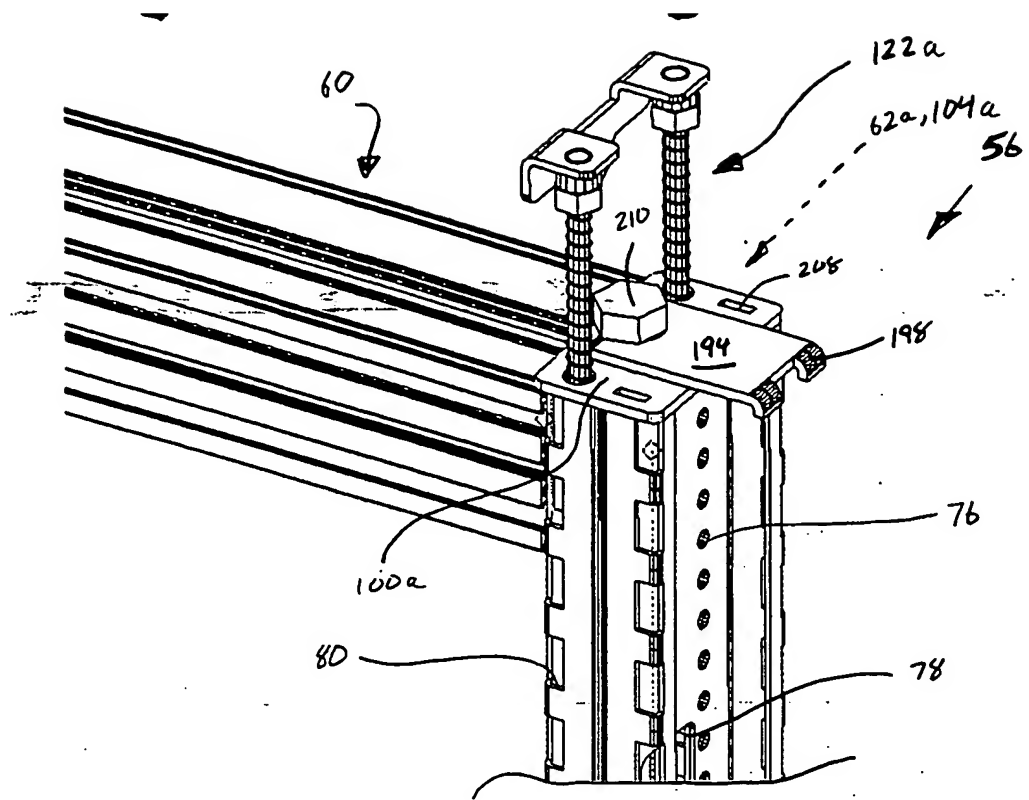


Fig. 28

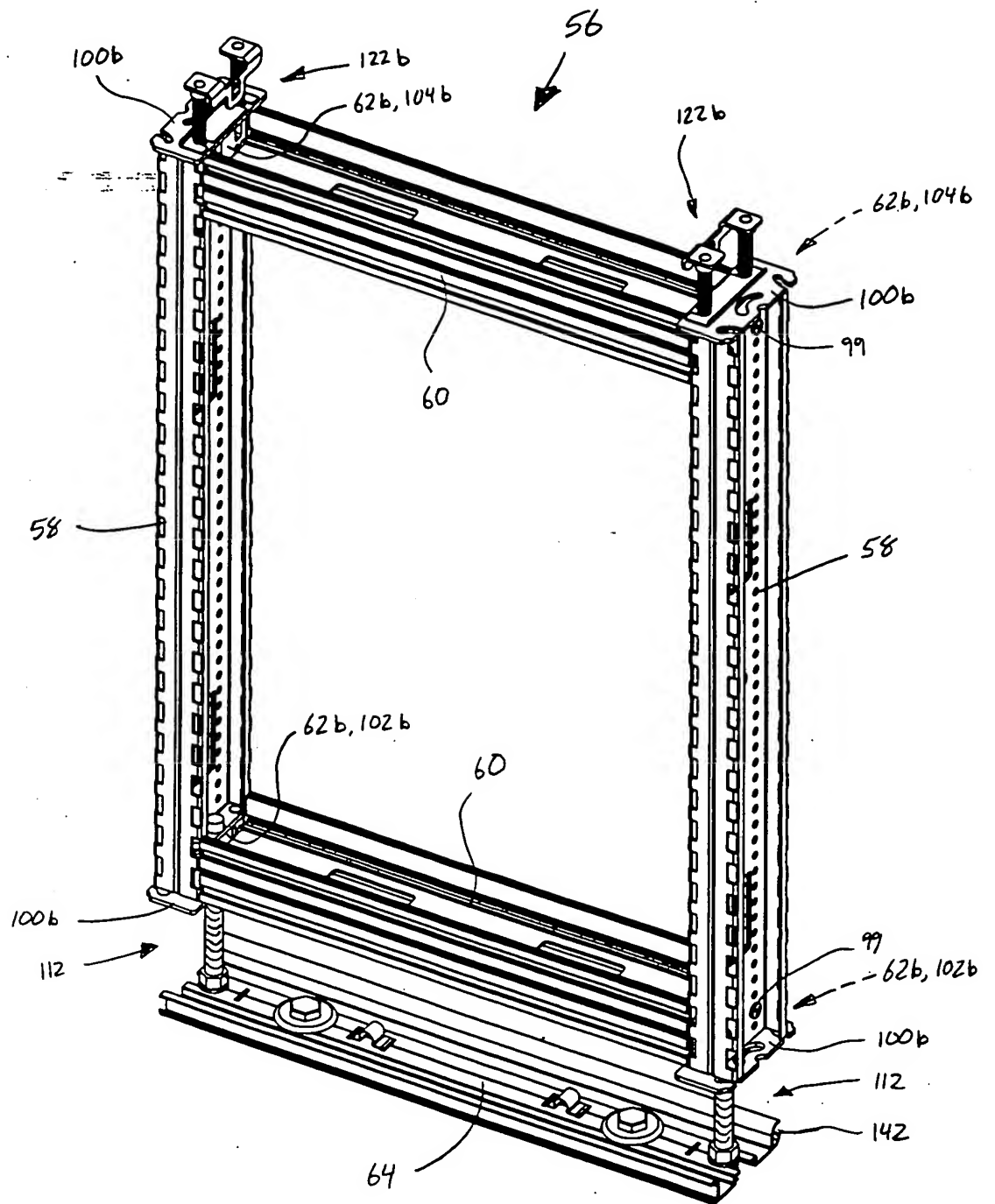


Fig. 3A

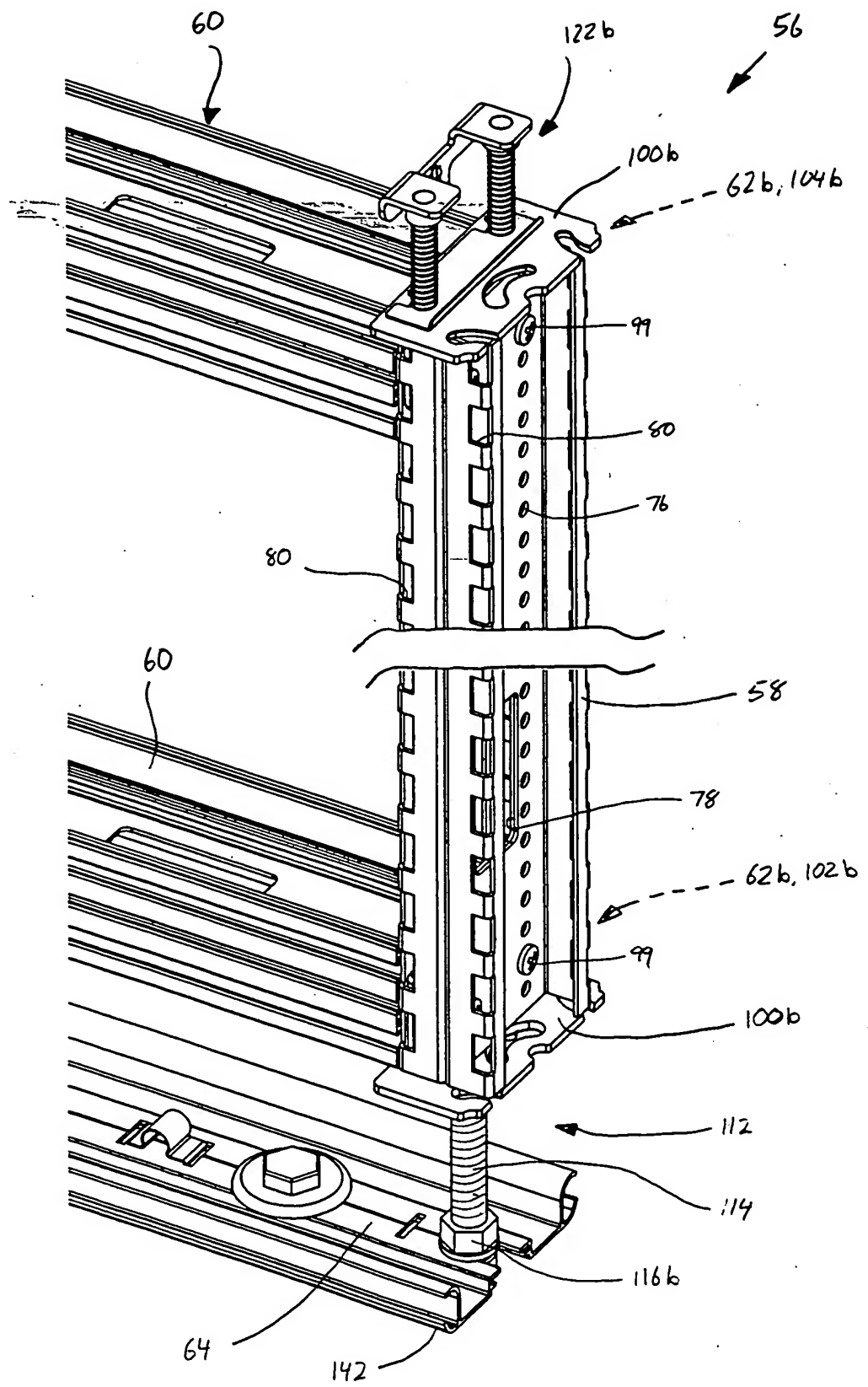


Fig. 3B

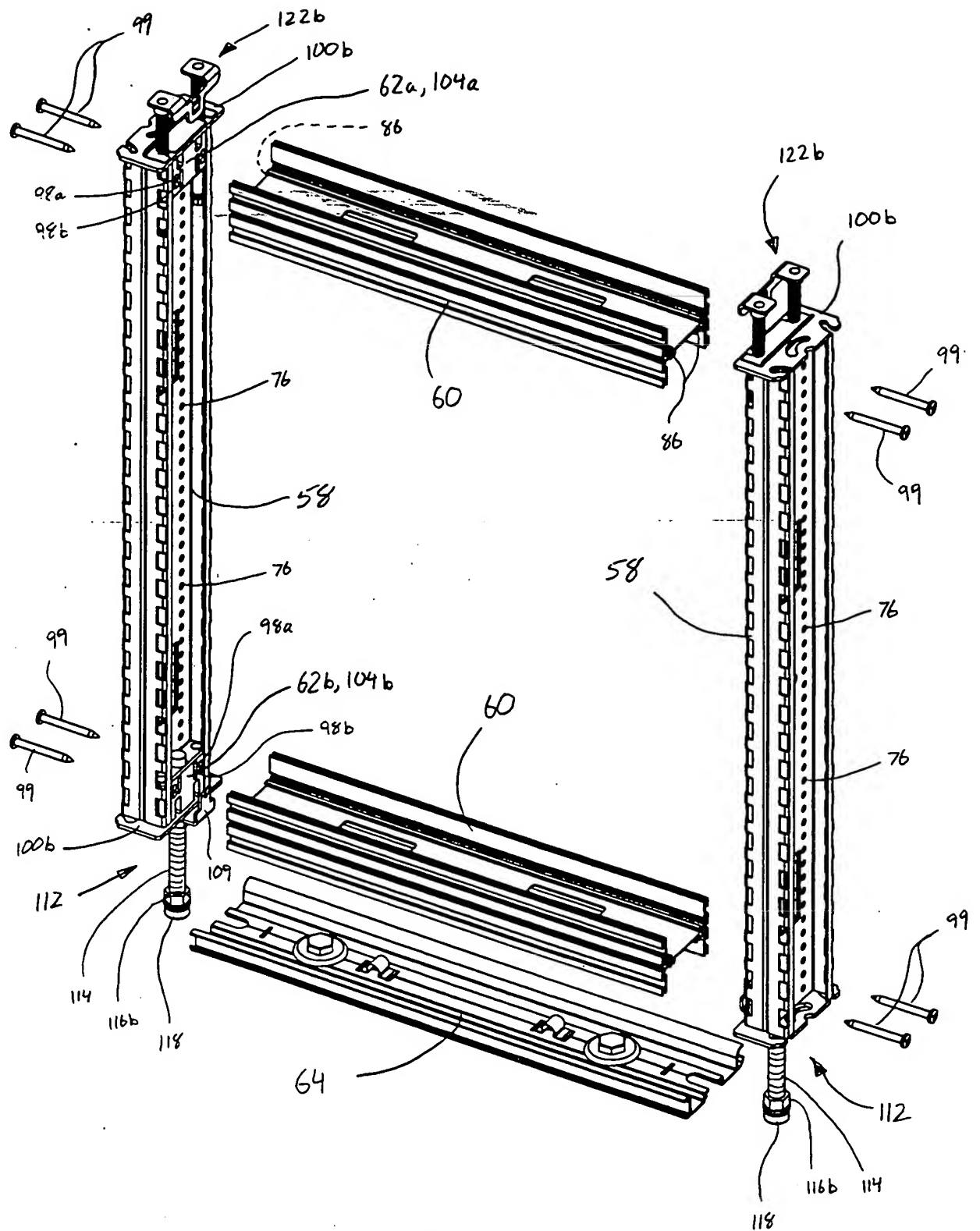


Fig. 3c

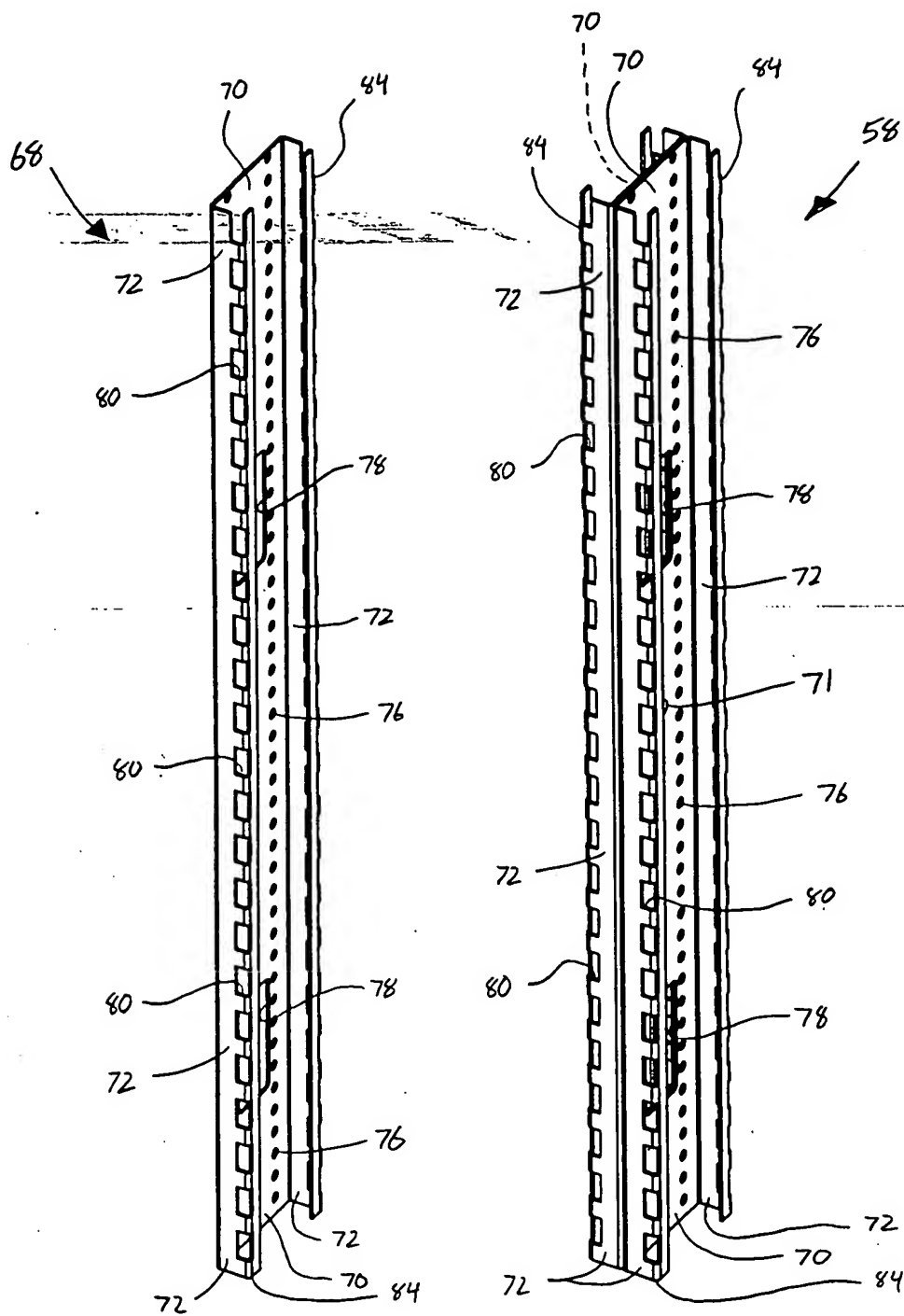


Fig. 4B

Fig. 4A

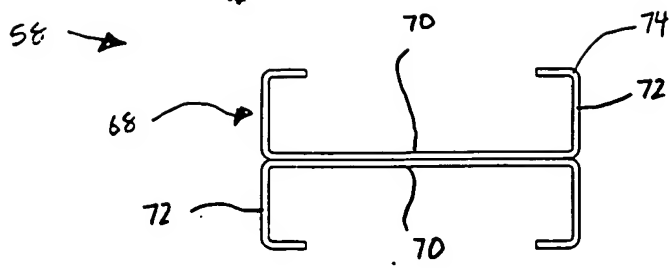


Fig. 4C

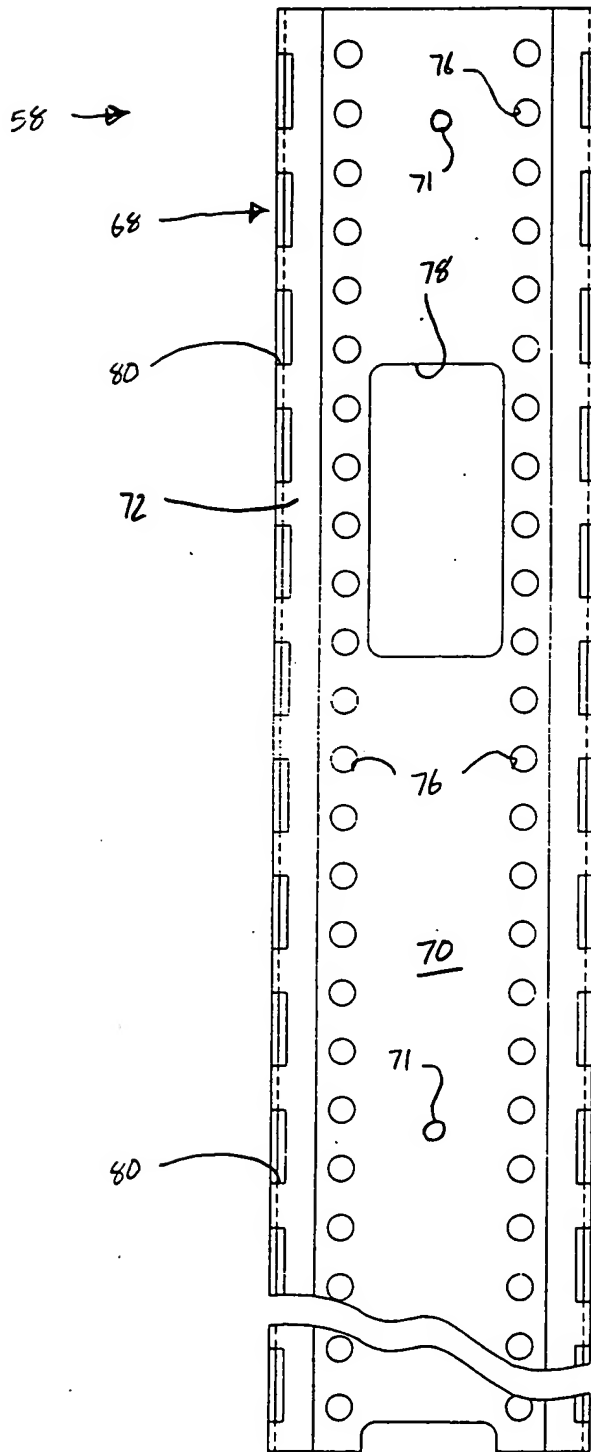


Fig. 4D

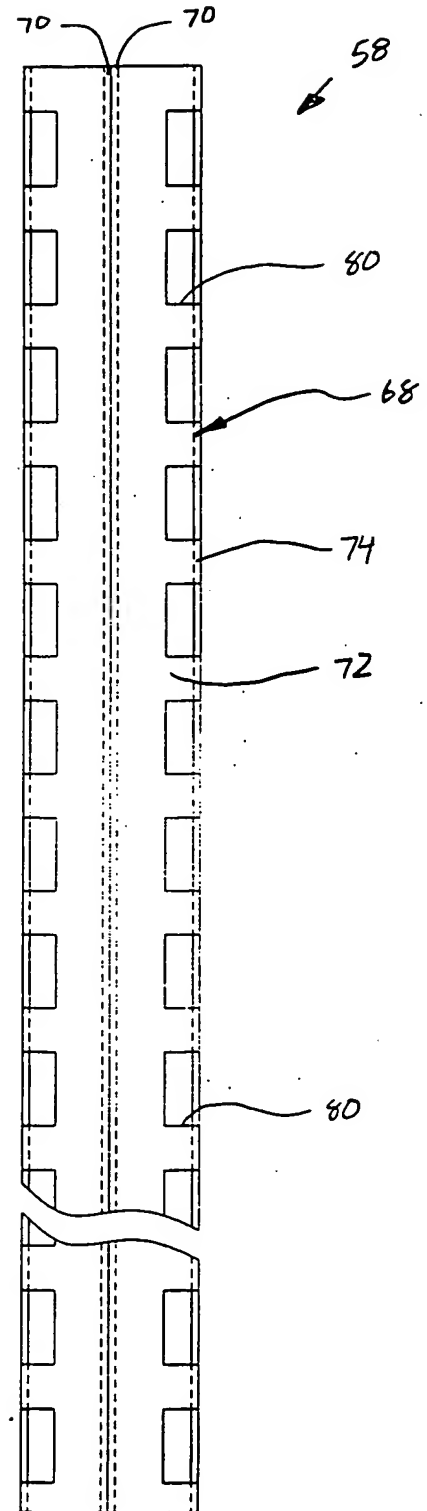


Fig. 4E

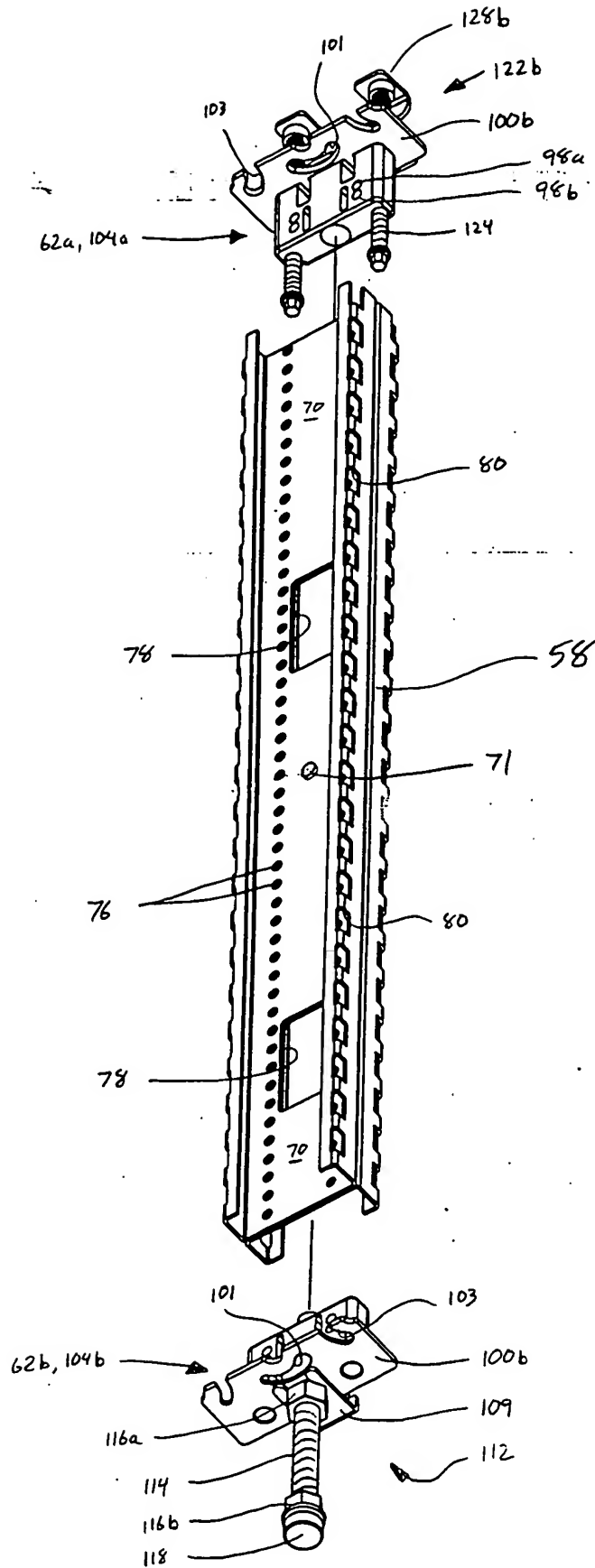


Fig. 4F

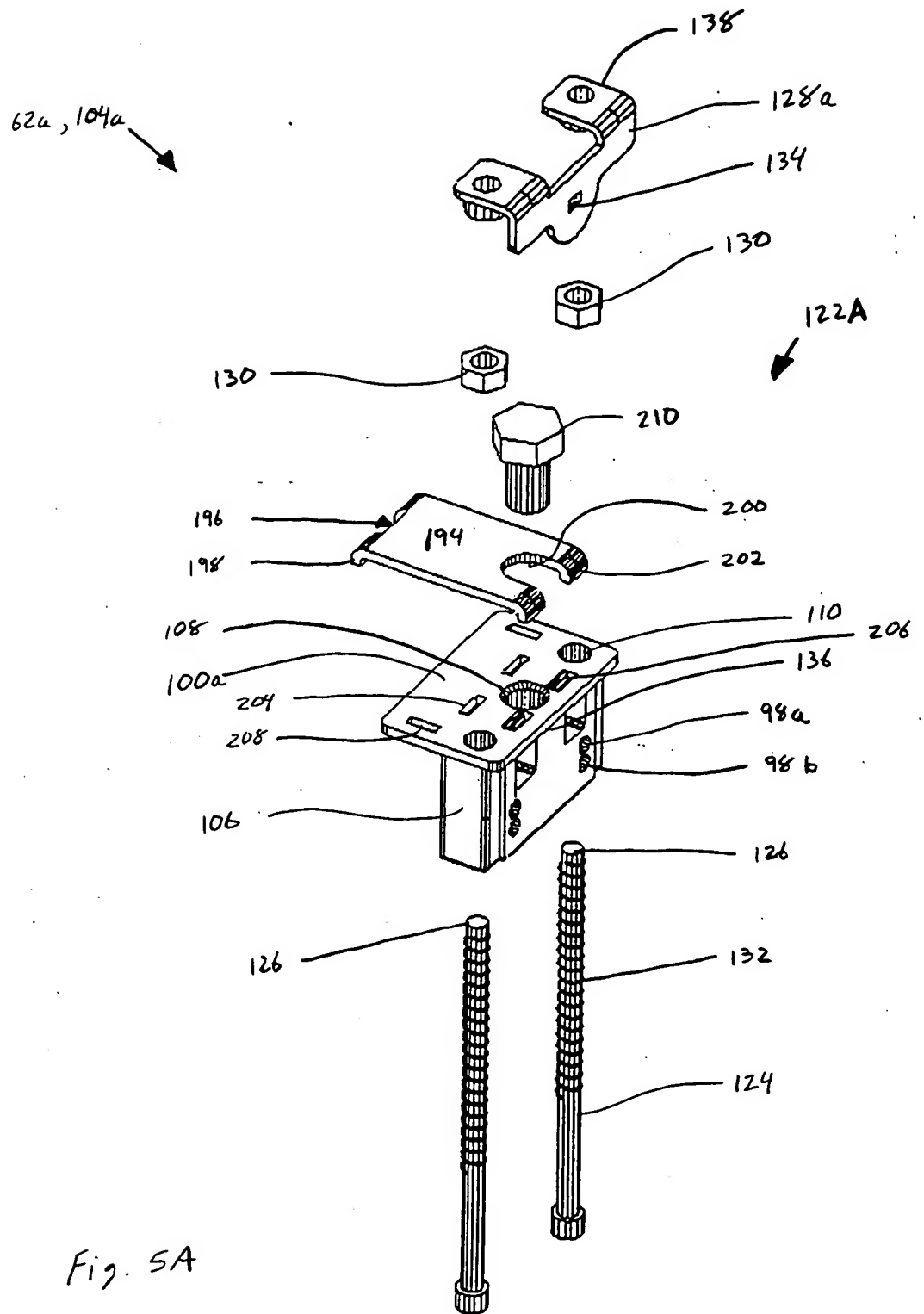


Fig. 5A

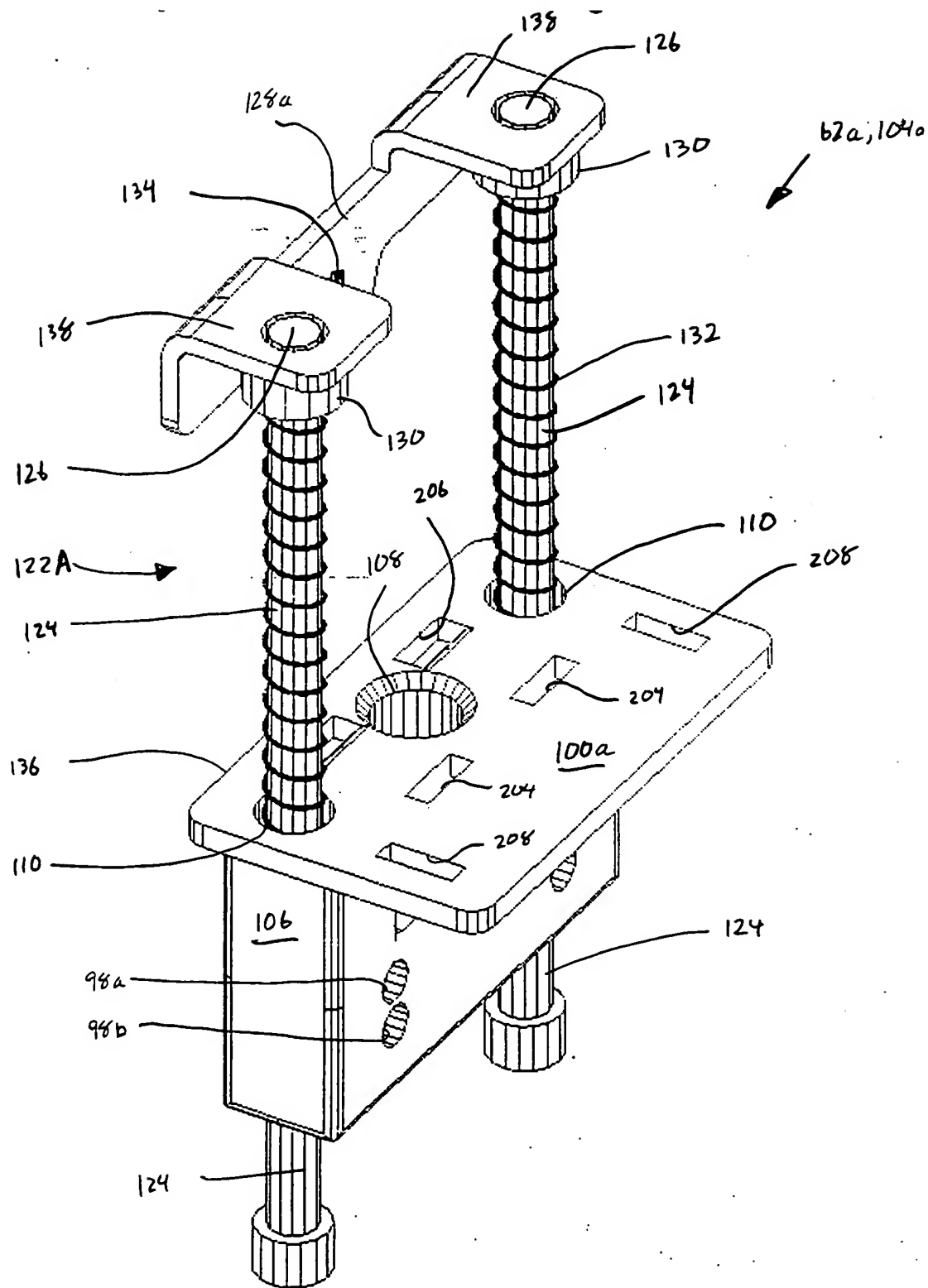


Fig. 5B

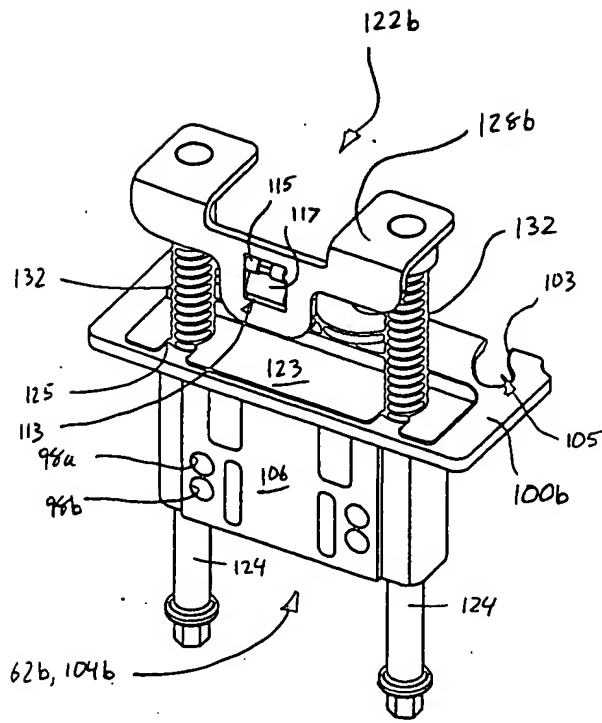


Fig. 5E

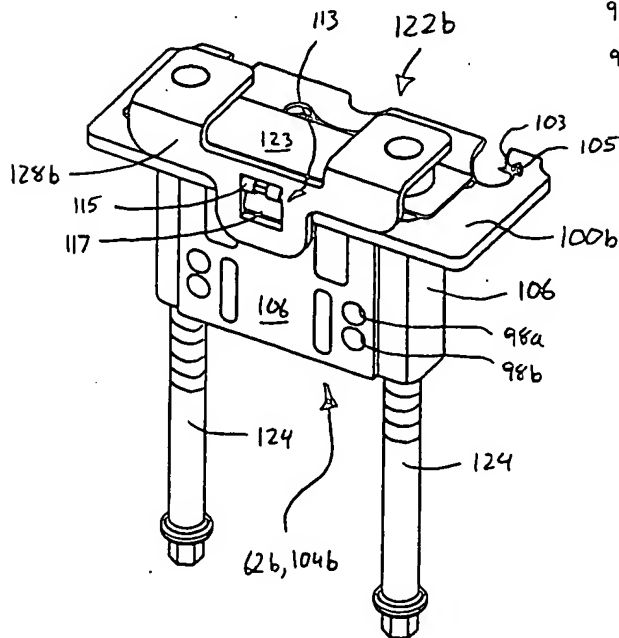


Fig. 5D

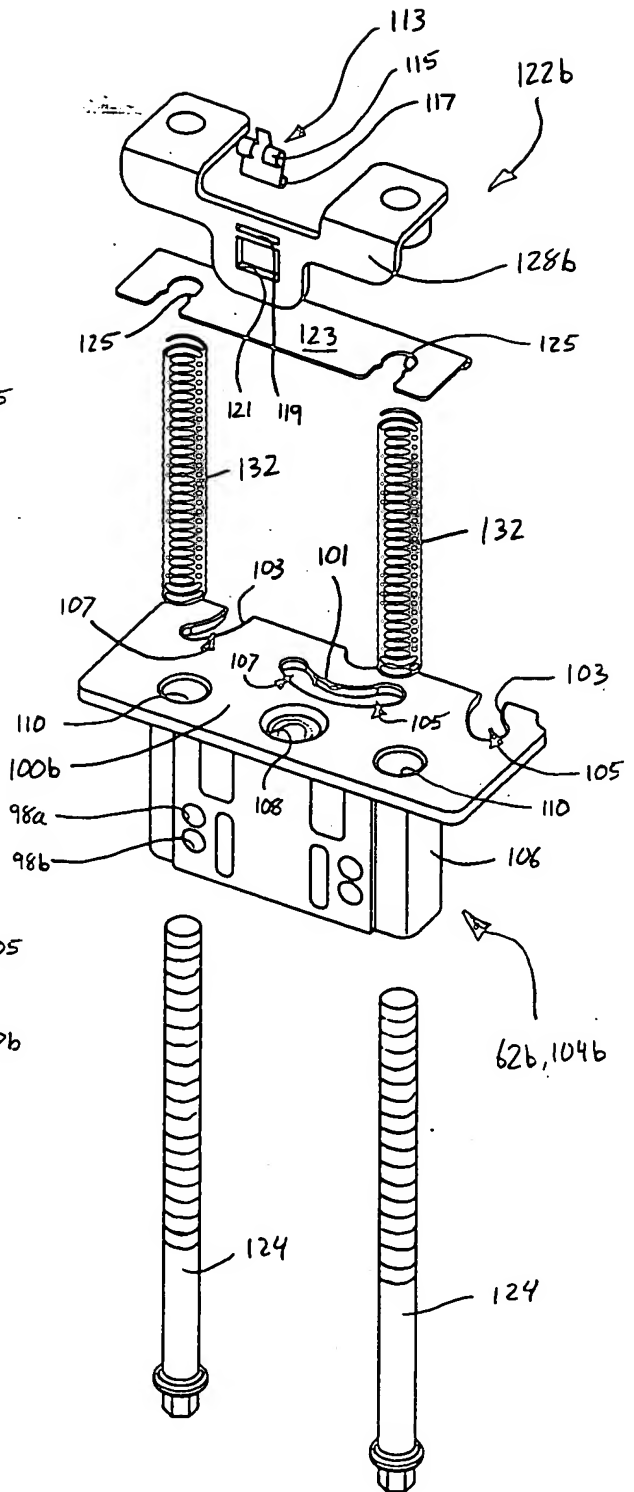


Fig. 5C

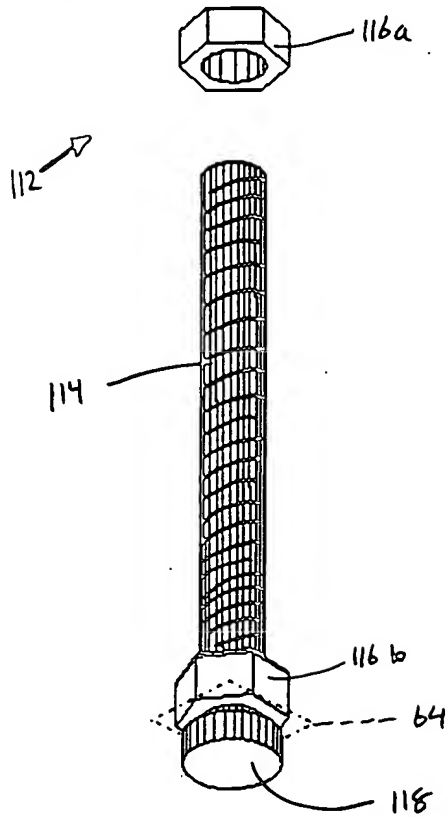
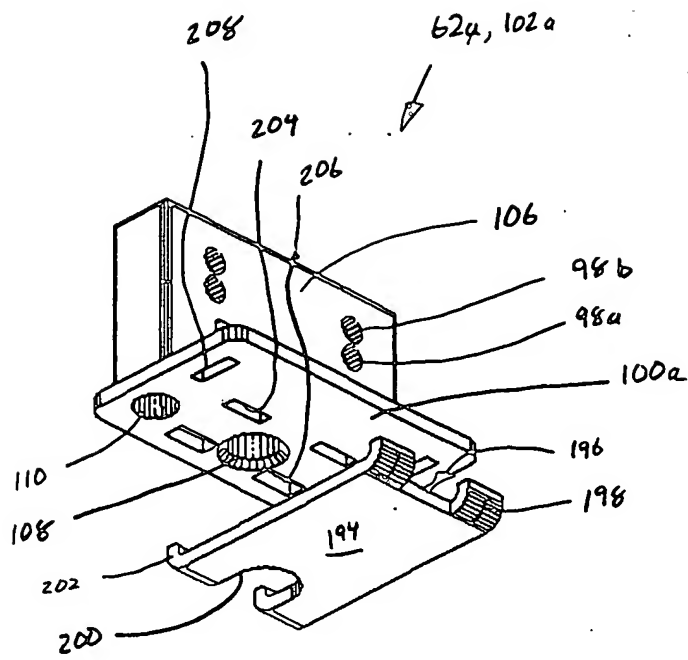


Fig. 6A

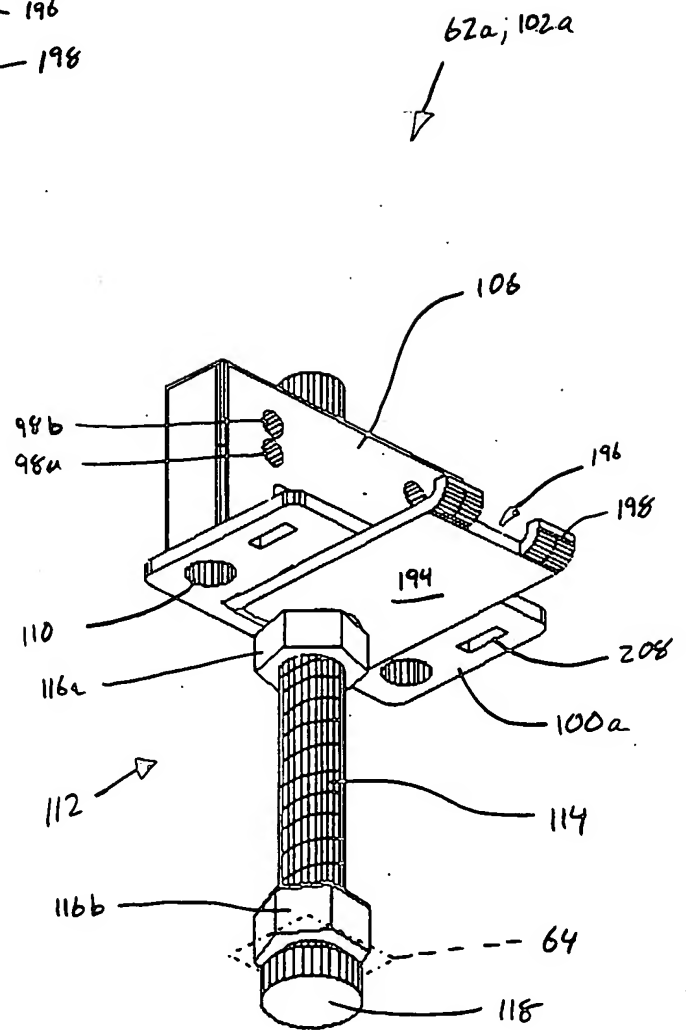


Fig. 6B

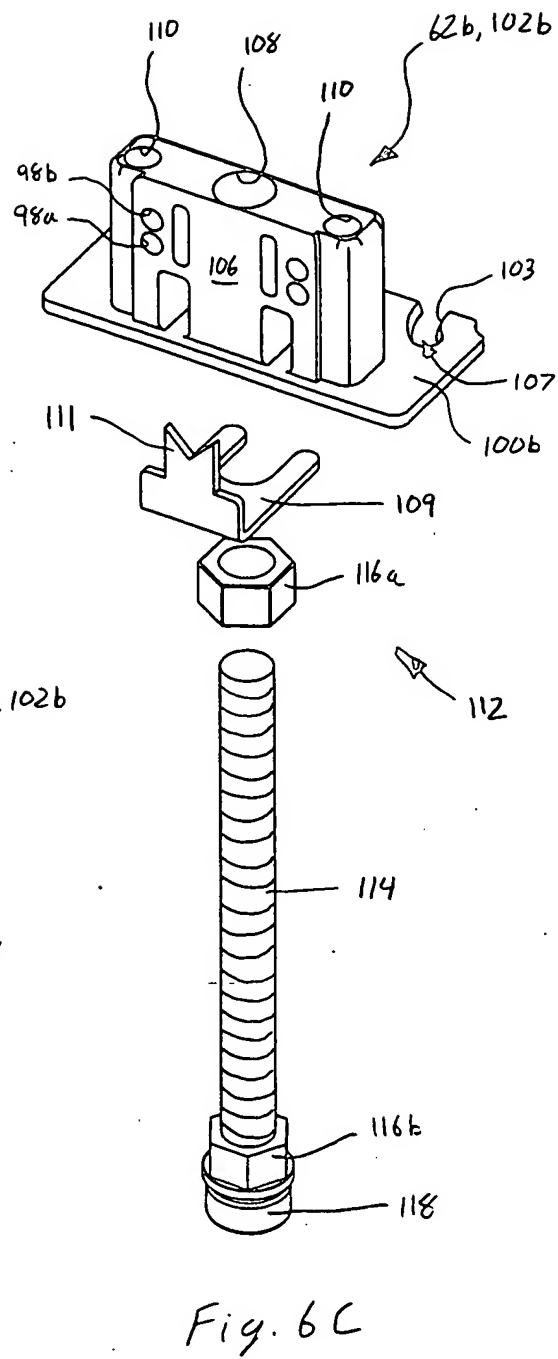
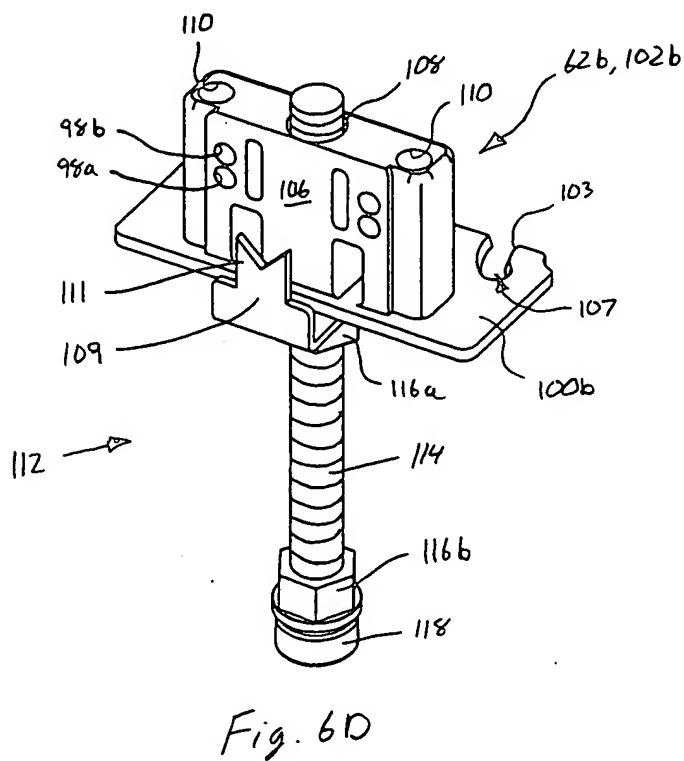
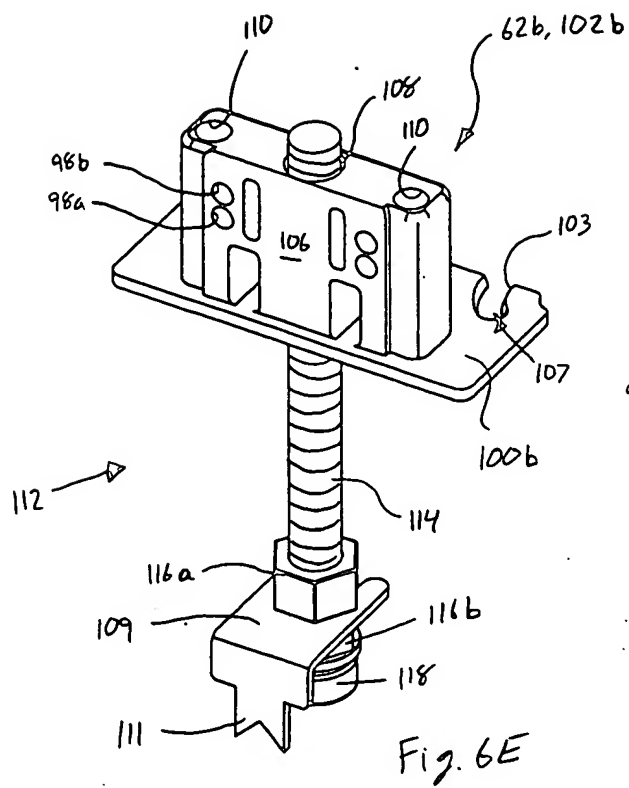


Fig. 7A

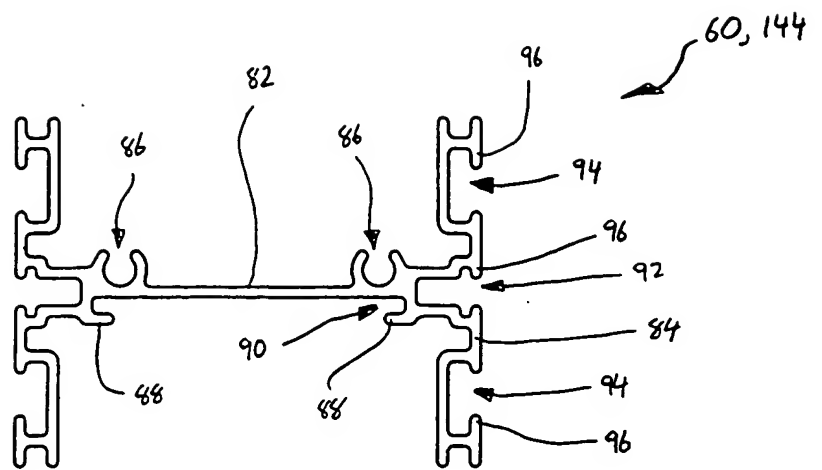


Fig. 7B

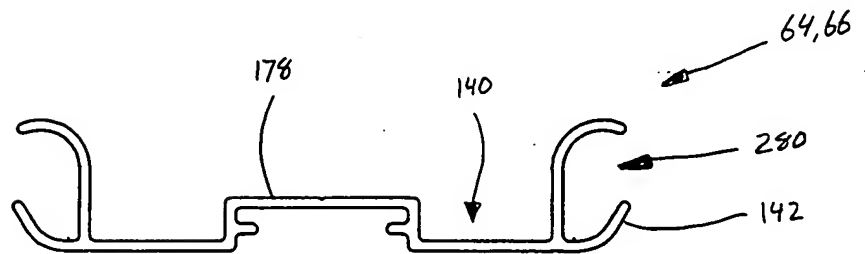


Fig. 7C

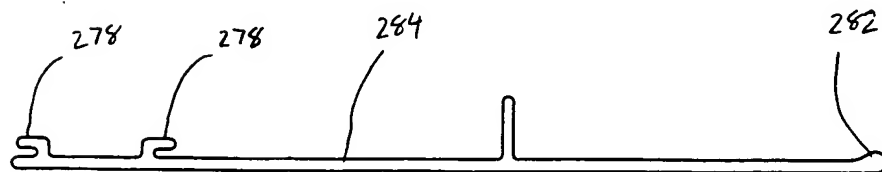
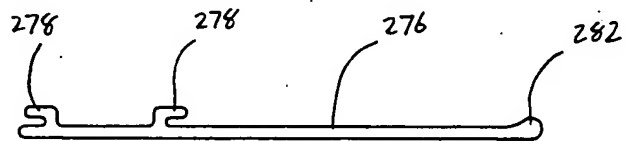


Fig. 7D

Fig. 7E

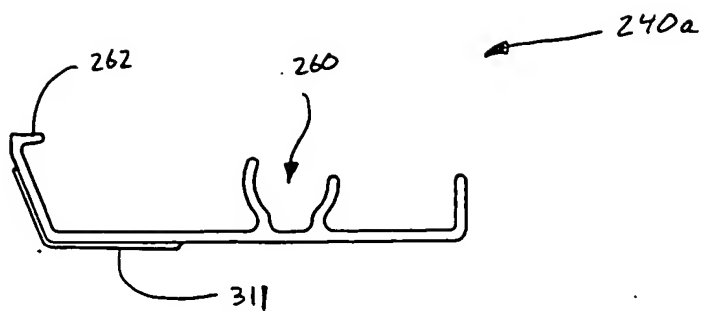


Fig. 7F

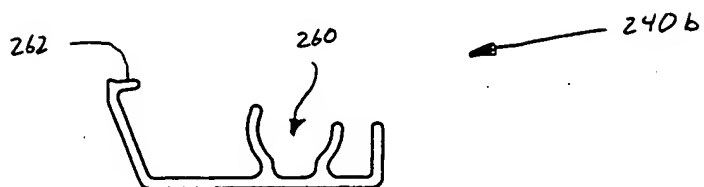


Fig. 7G

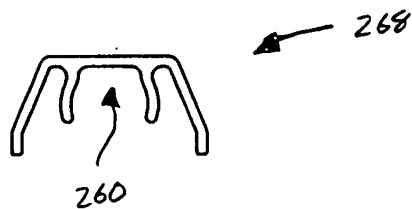


Fig. 7H

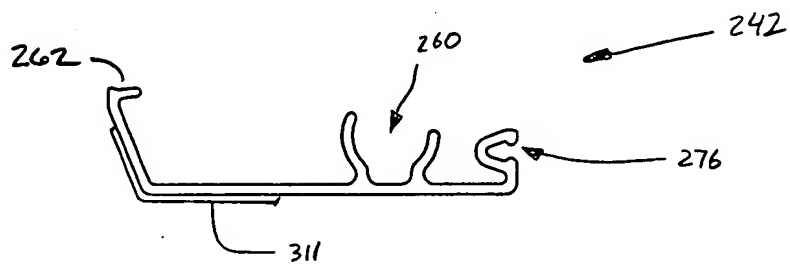
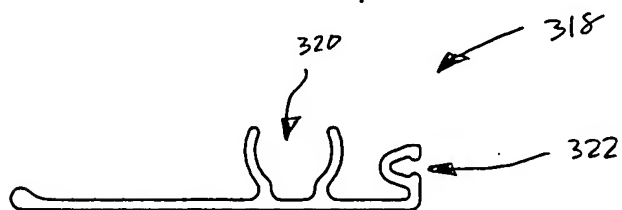


Fig. 7I



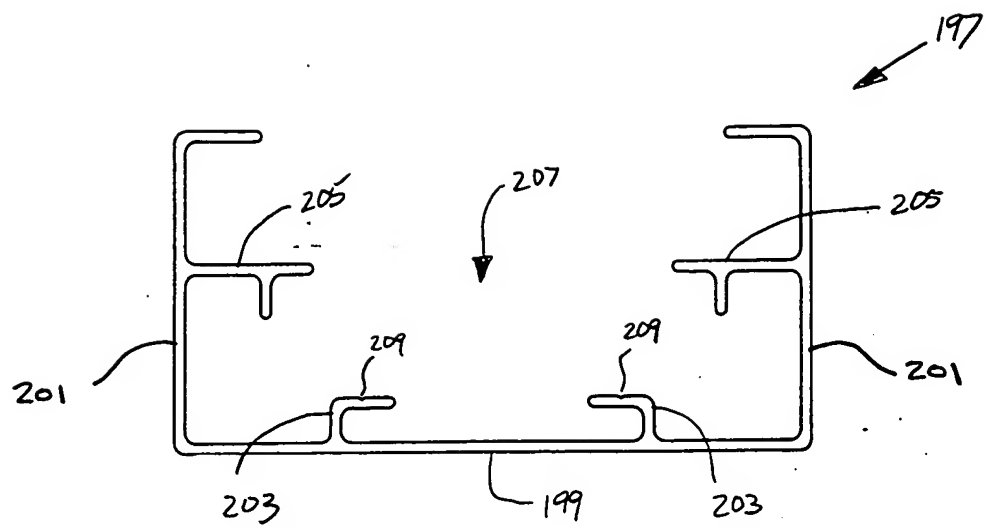


Fig. 7J

Fig. 7K

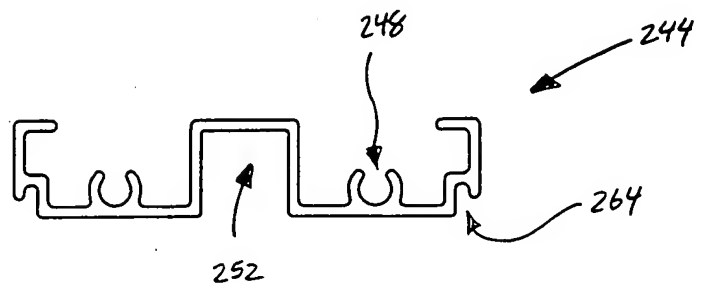
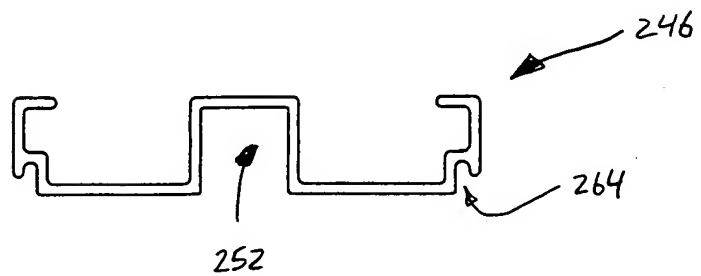


Fig. 7L



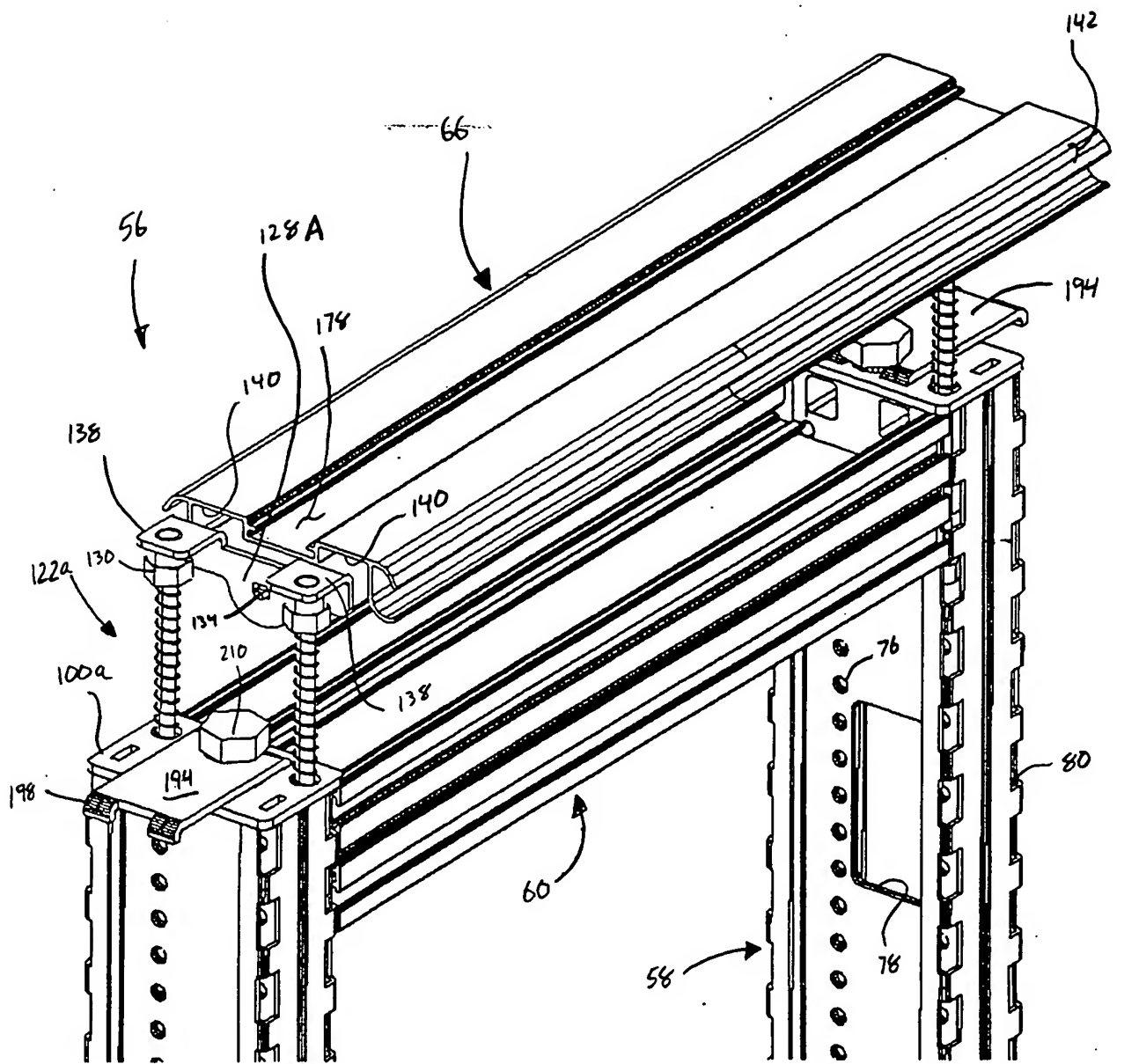


Fig. 8

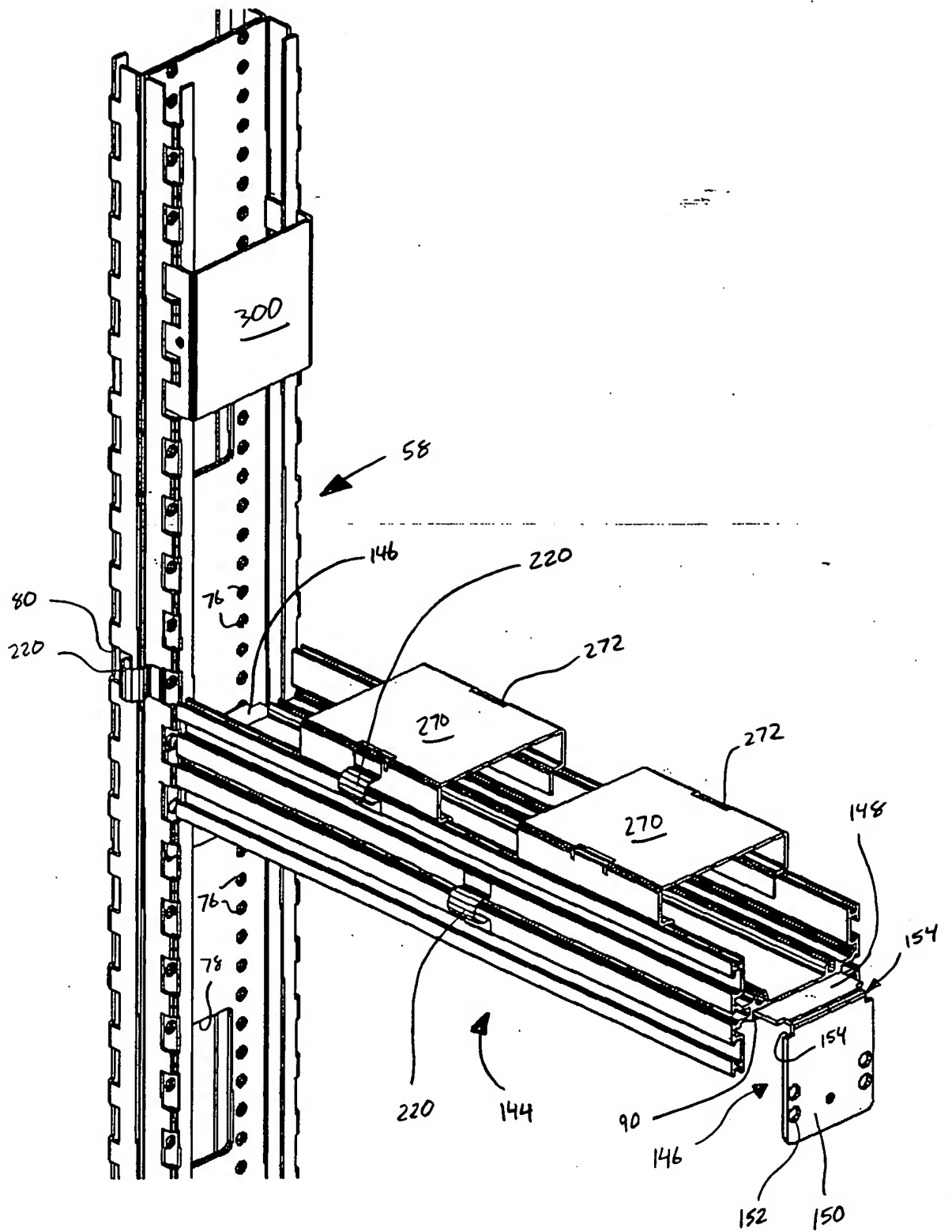


Fig. 9A

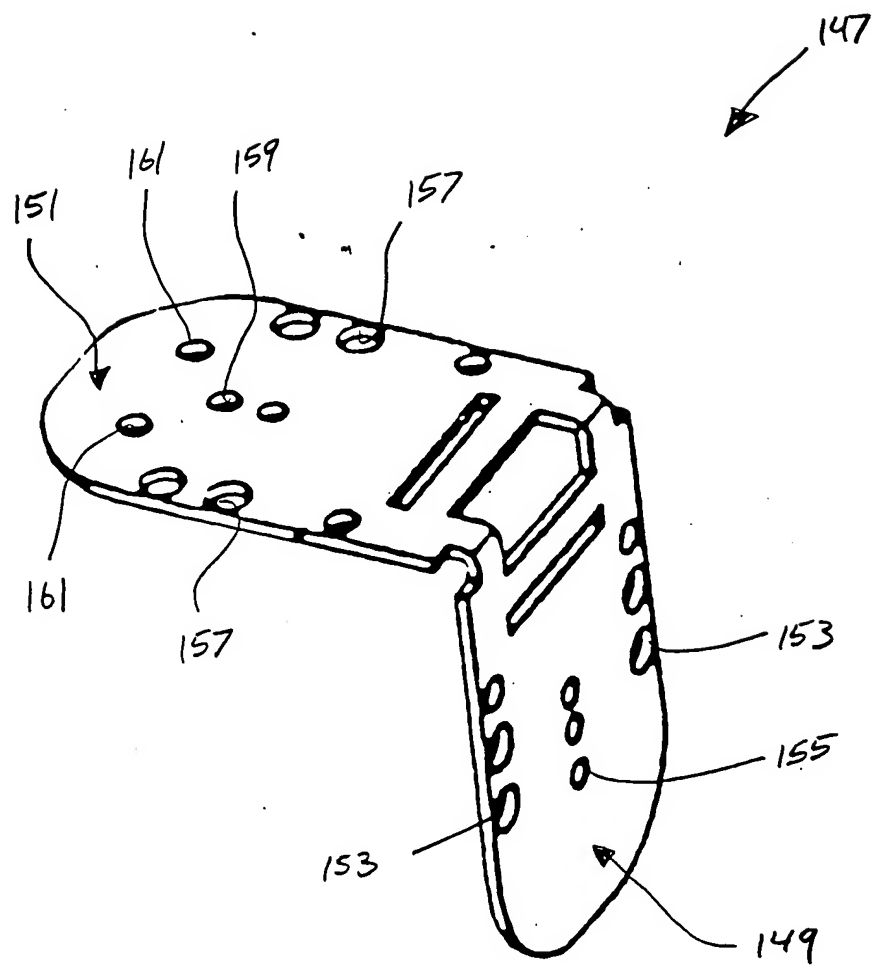


Fig. 9B

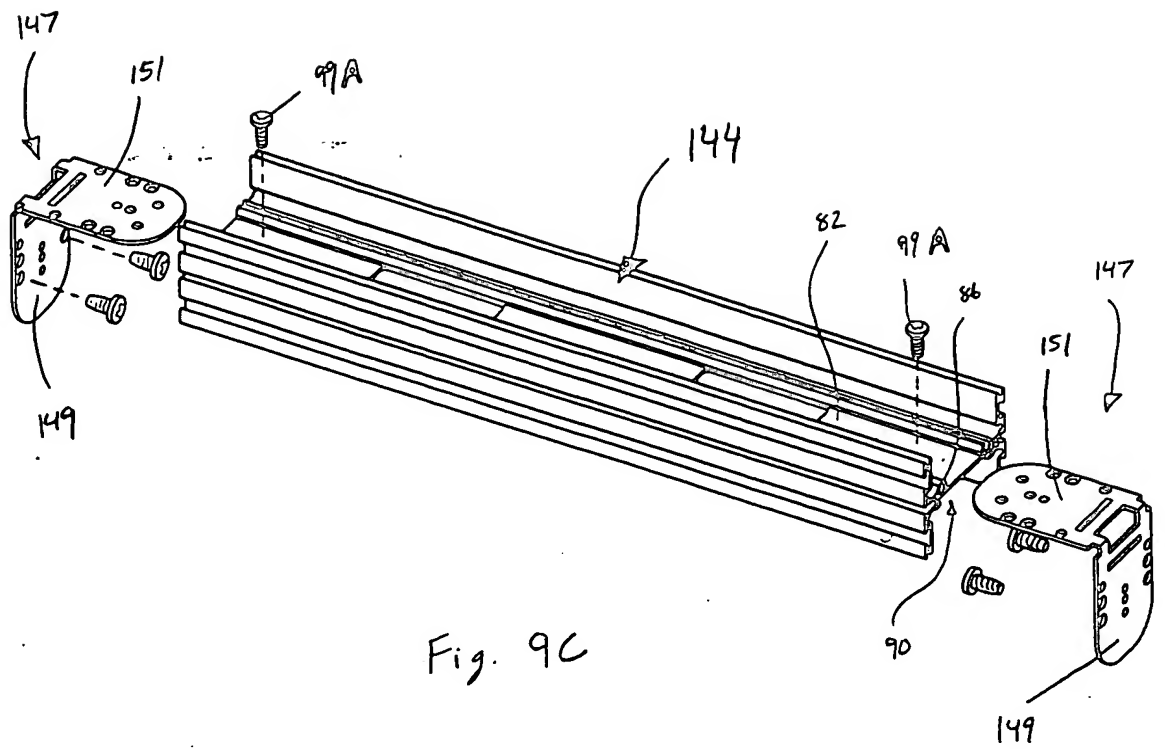


Fig. 9C

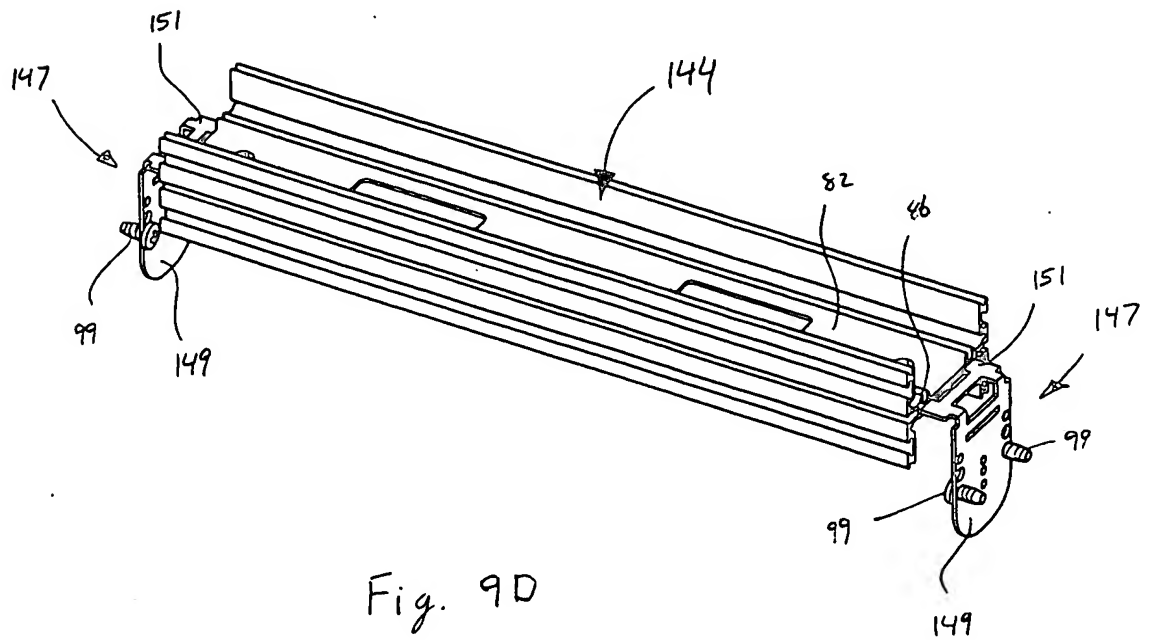


Fig. 9D

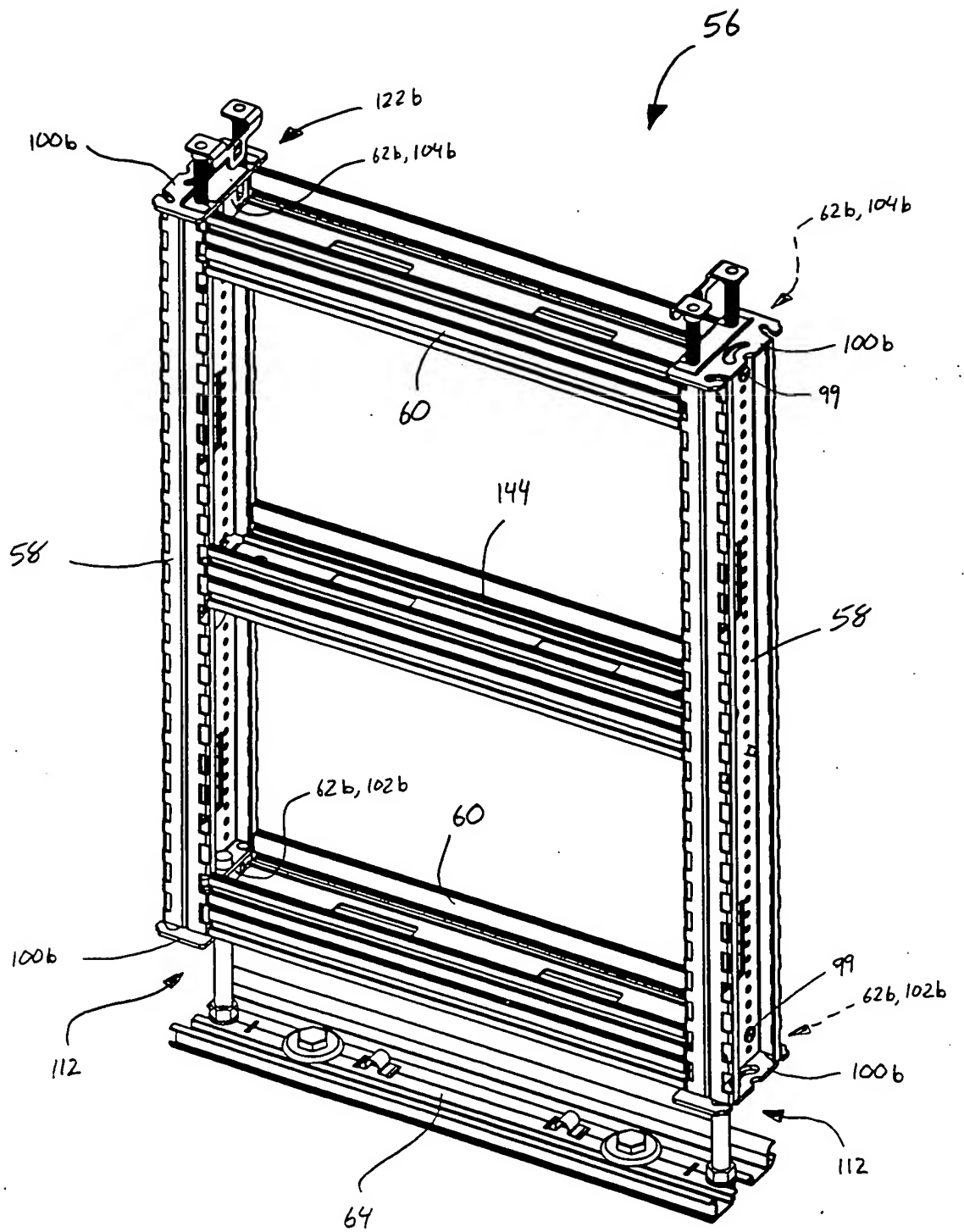


Fig. 9E

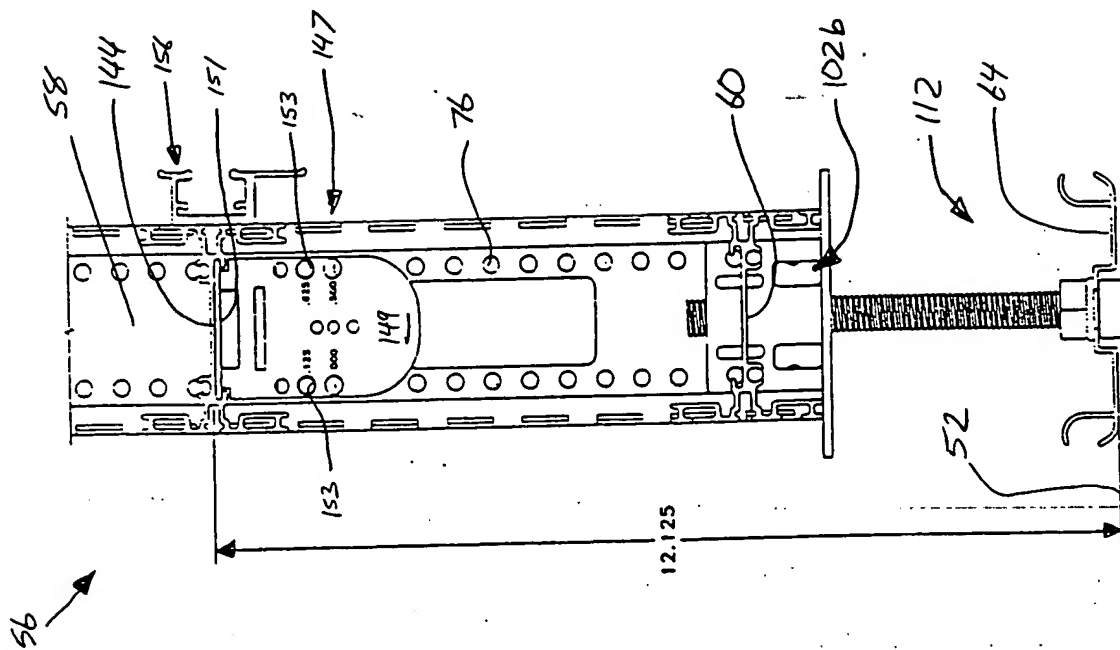


Fig. 96

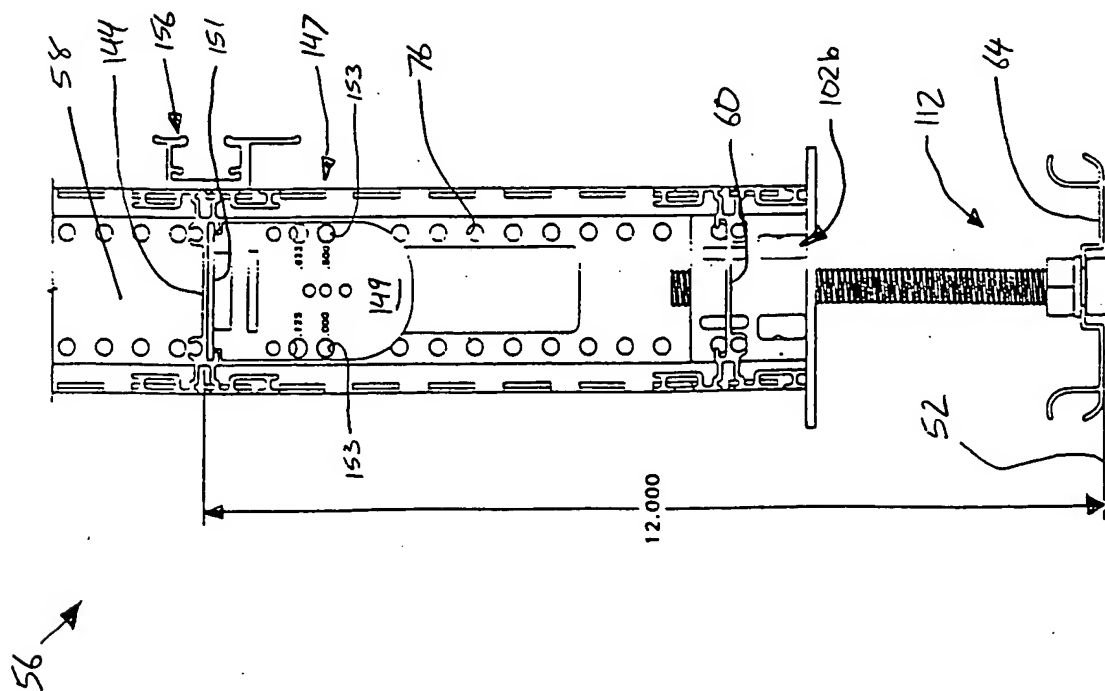


Fig. 9F

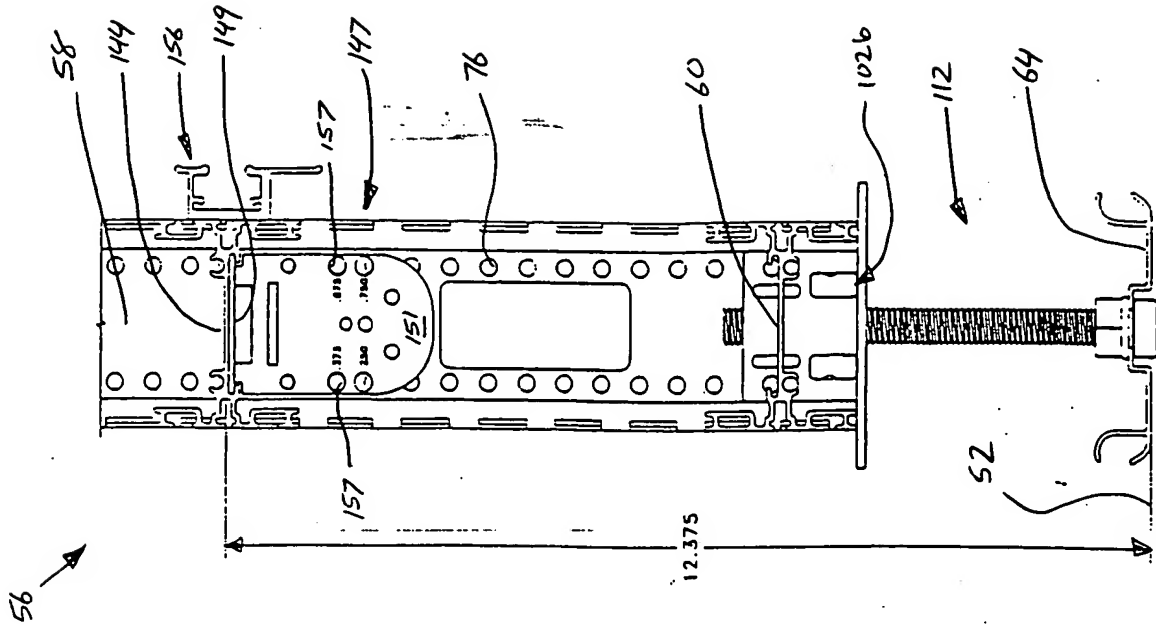


Fig. 9I

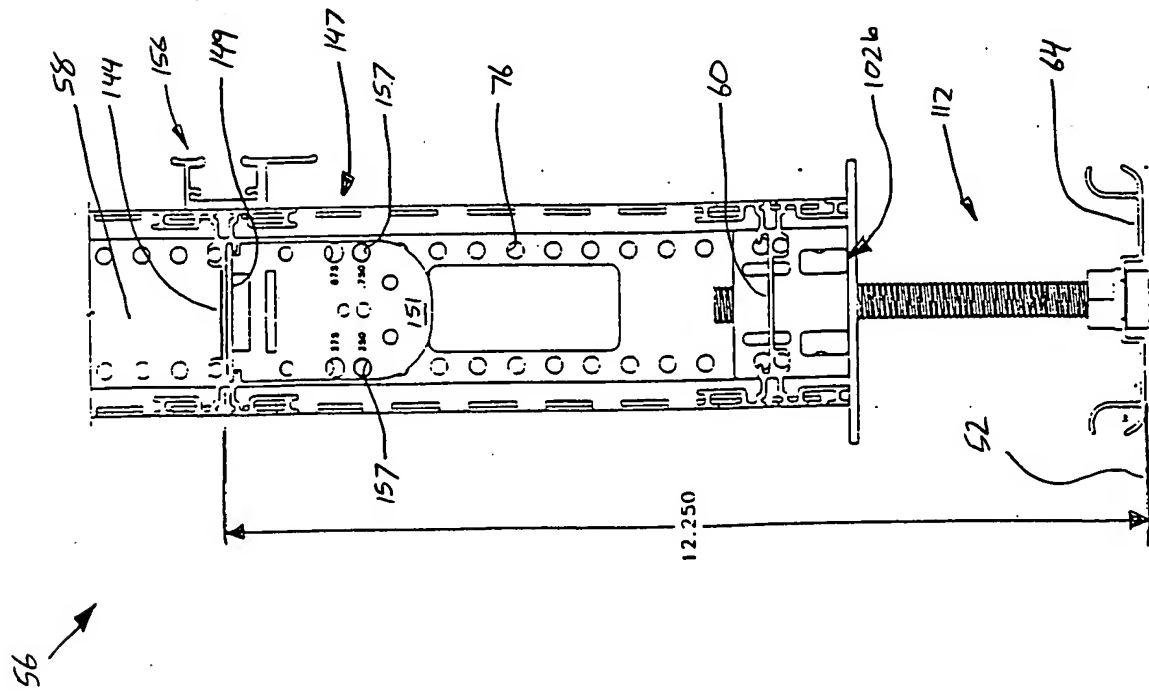


Fig. 9H

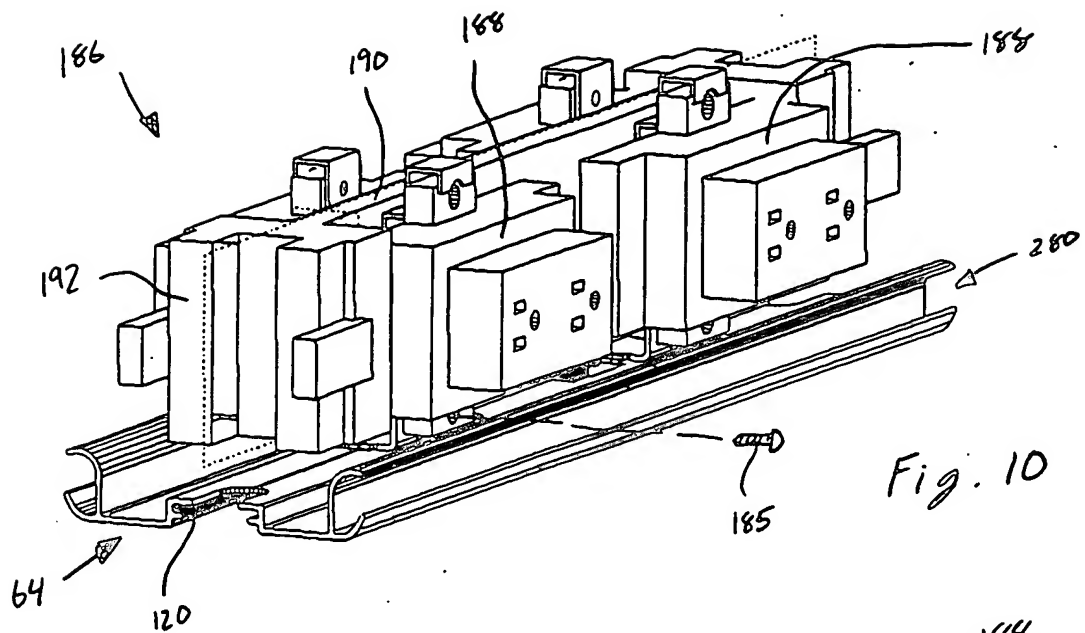


Fig. 10

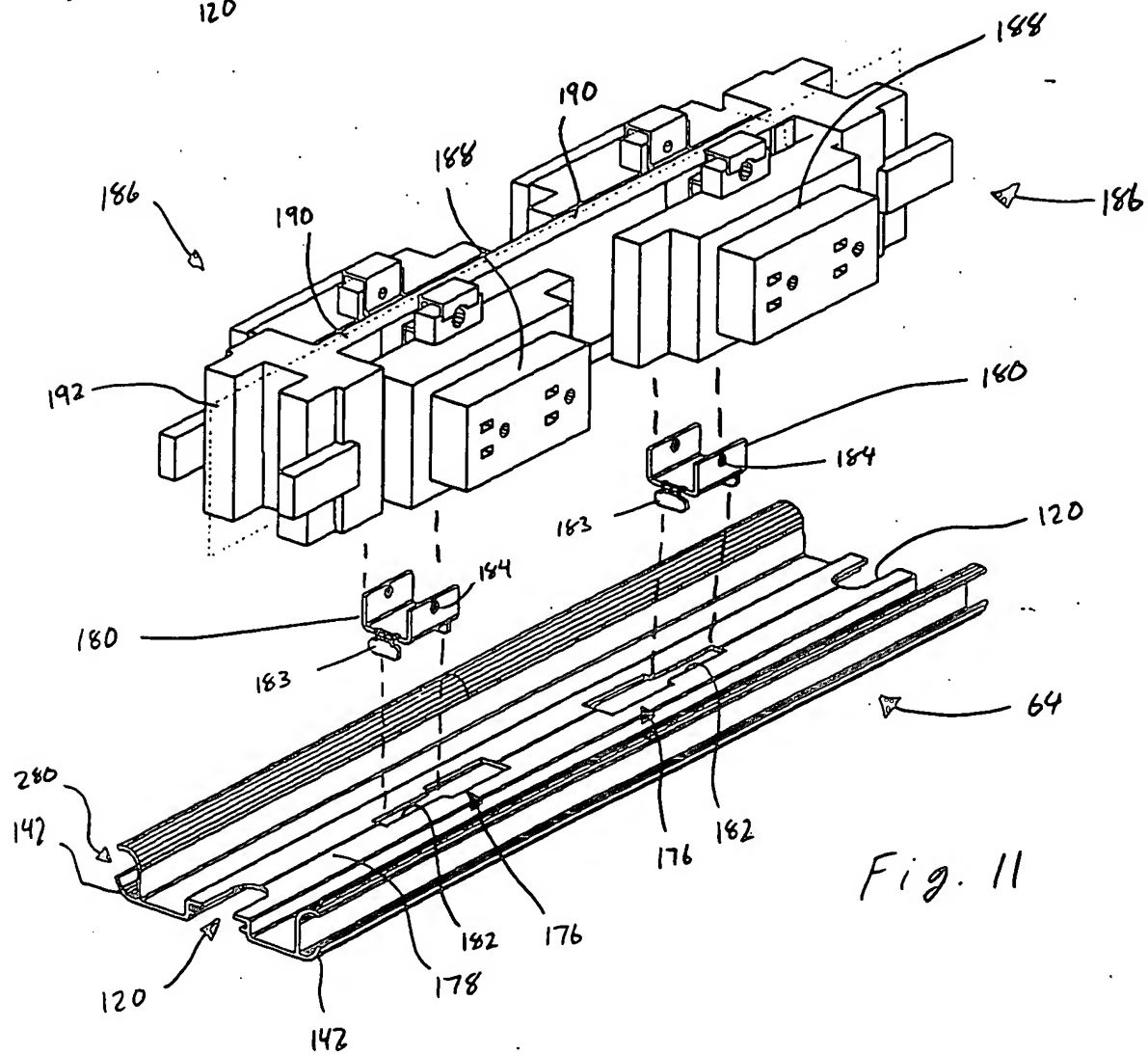
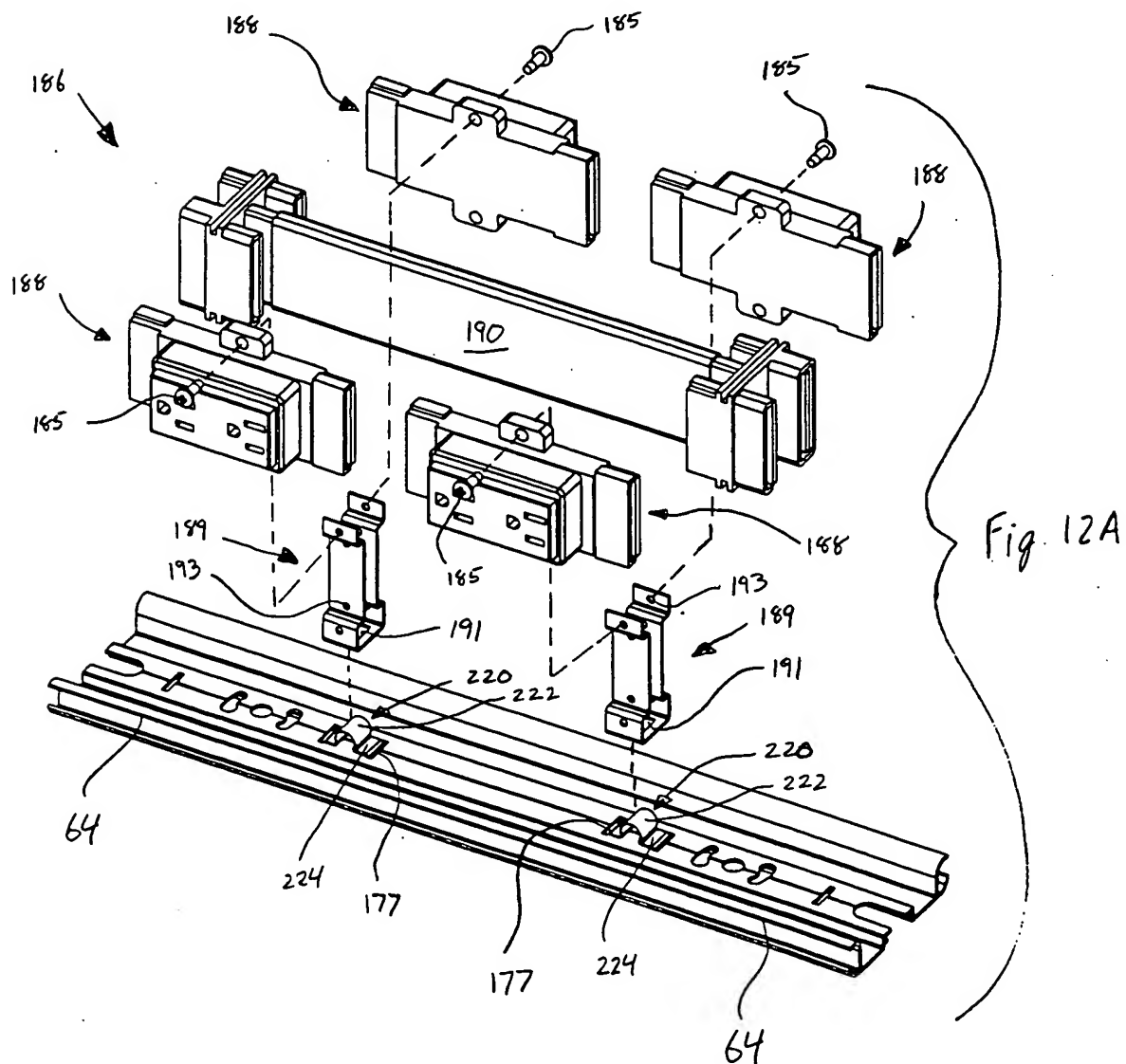
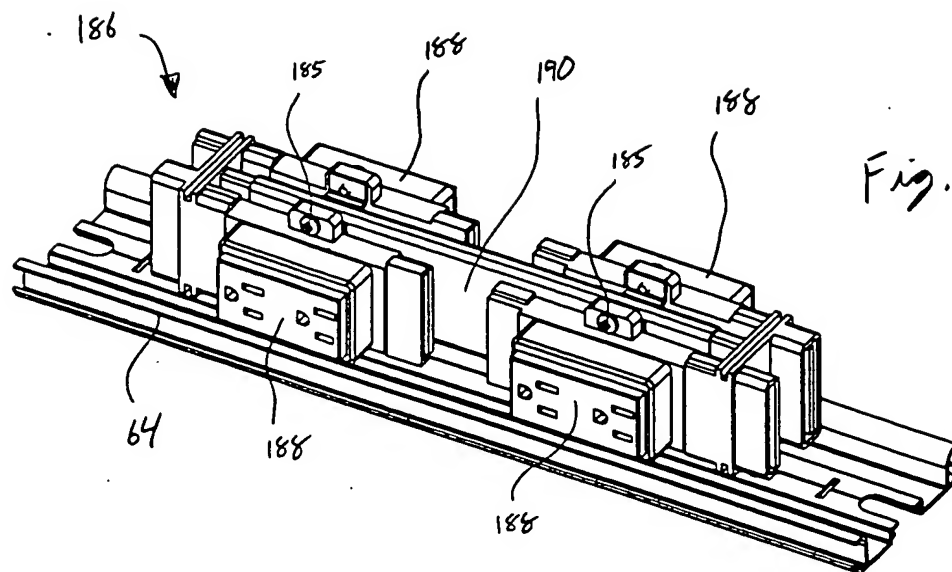


Fig. 11



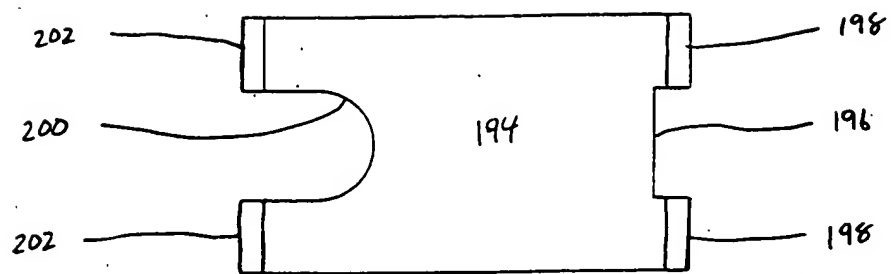


Fig. 13

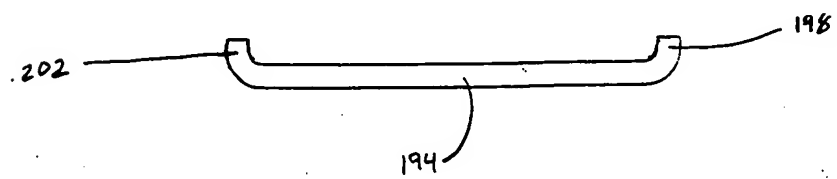


Fig. 14

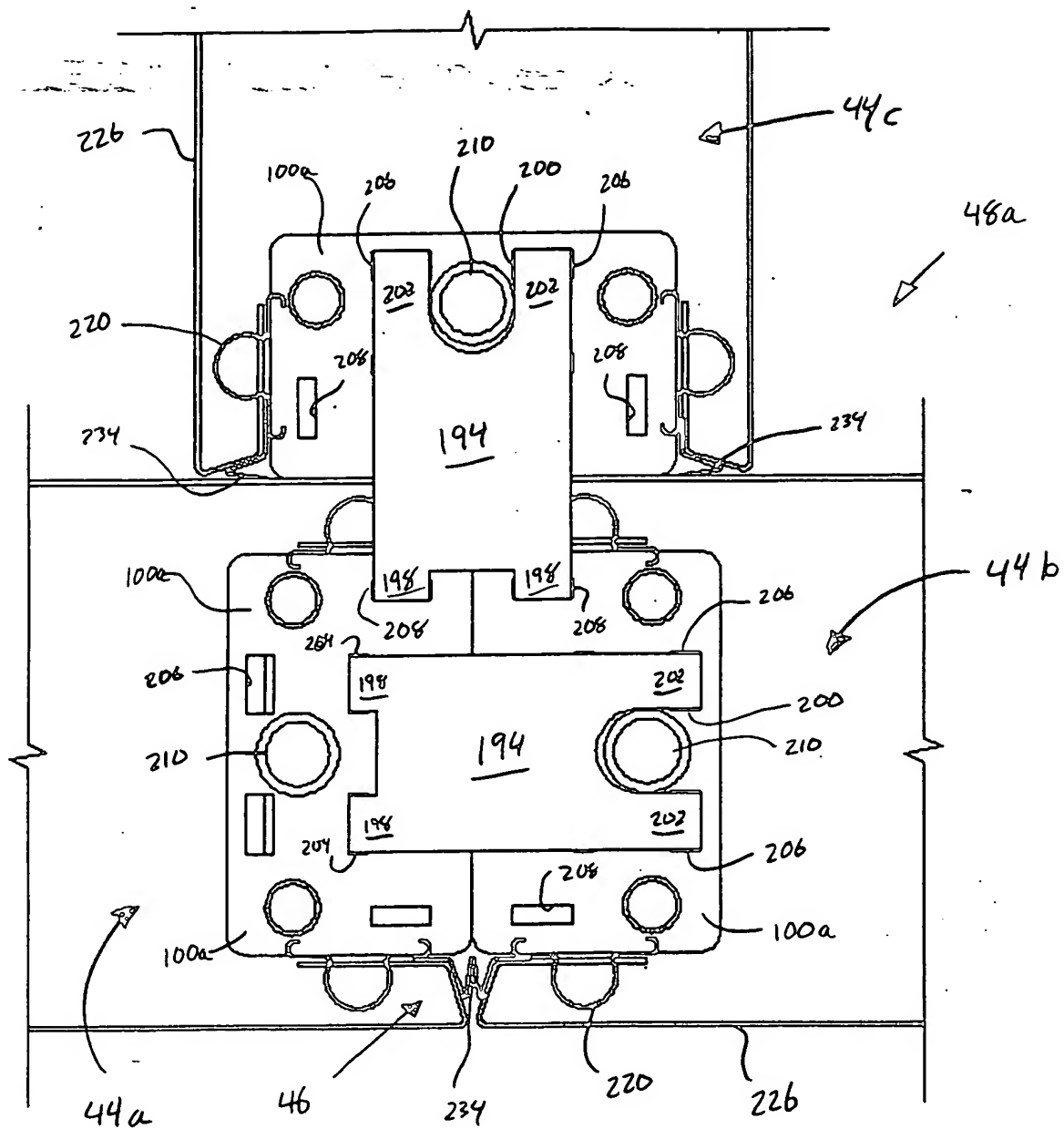


Fig. 15 A

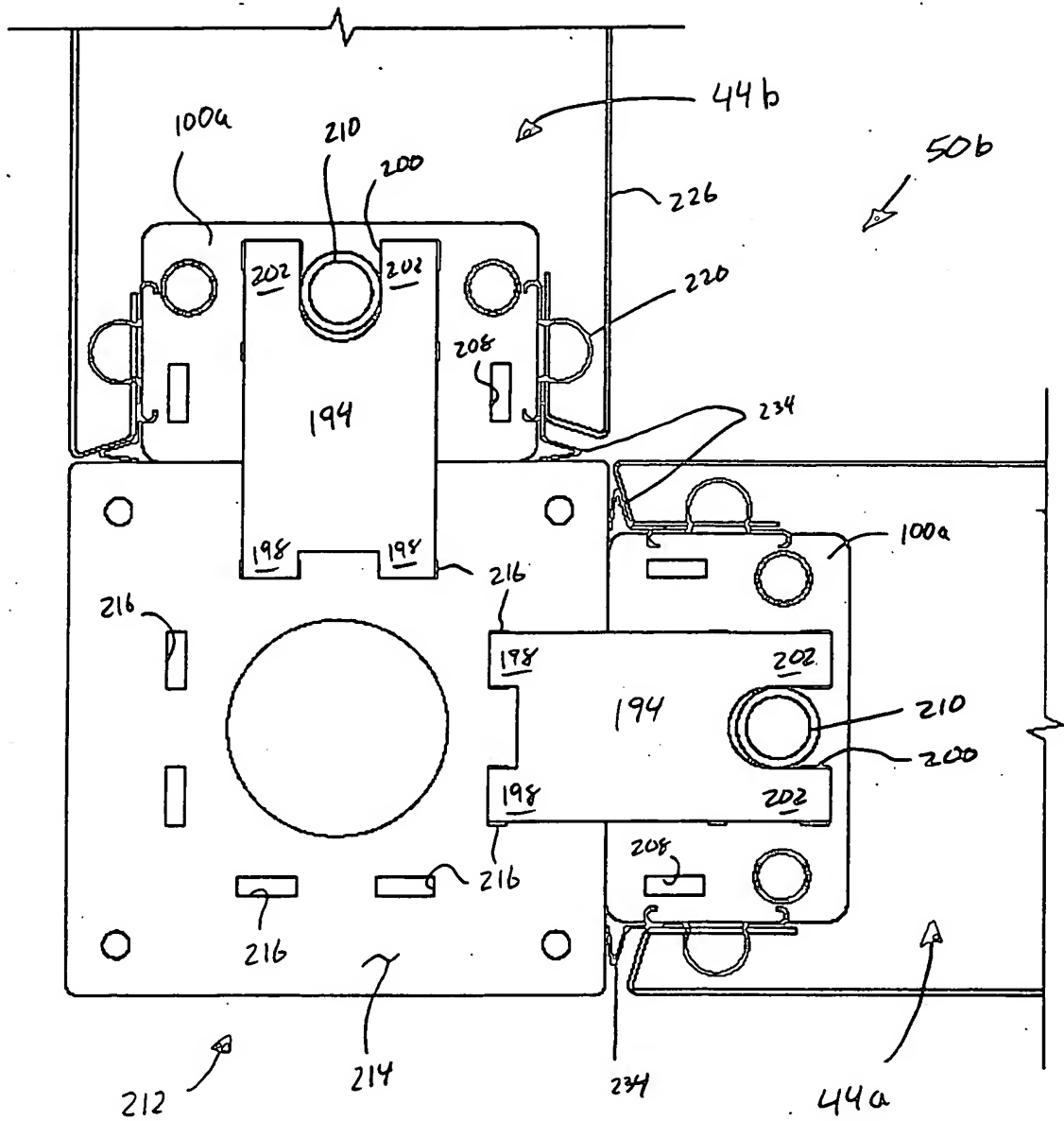


Fig. 15B

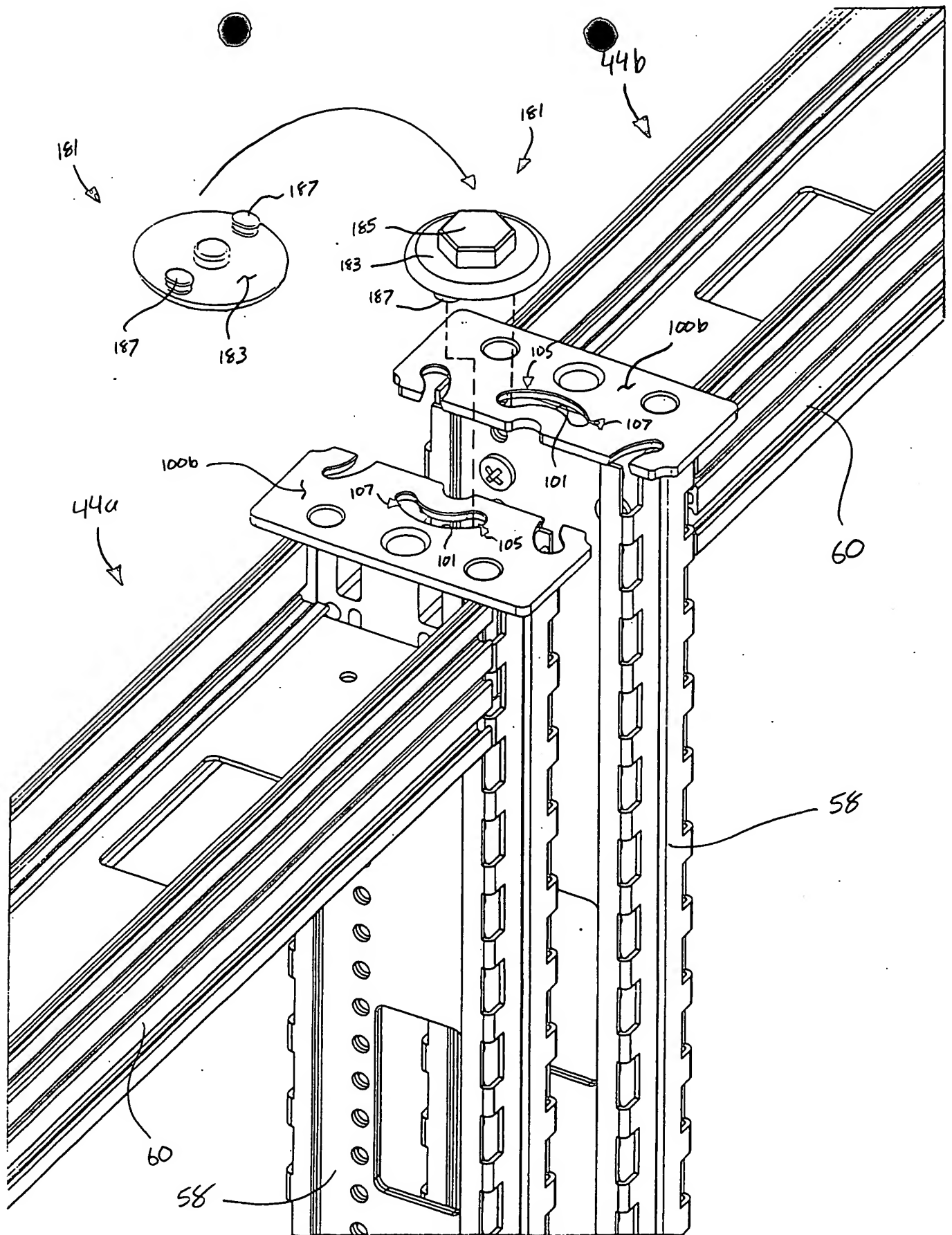


Fig. 15C

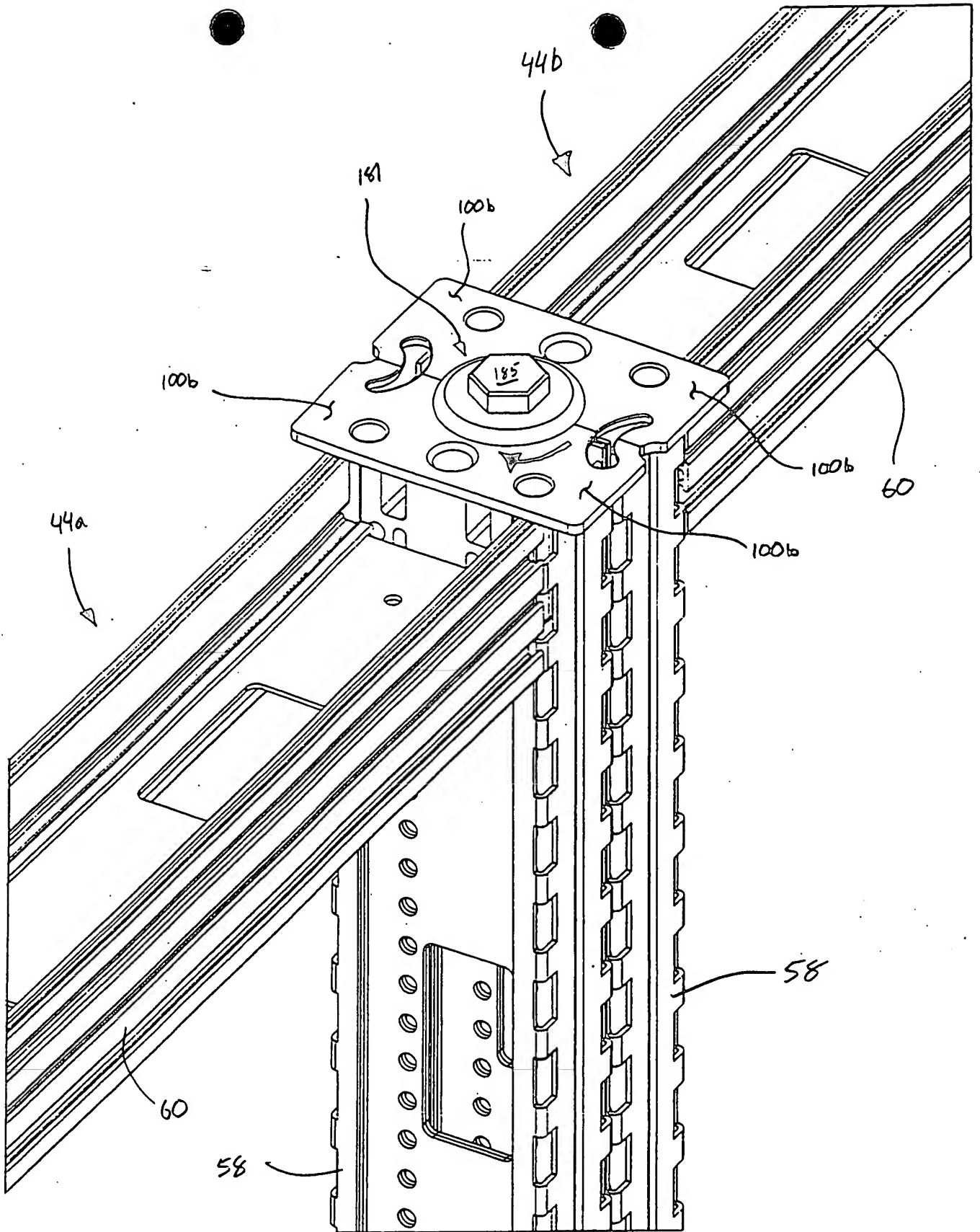


Fig. 15D

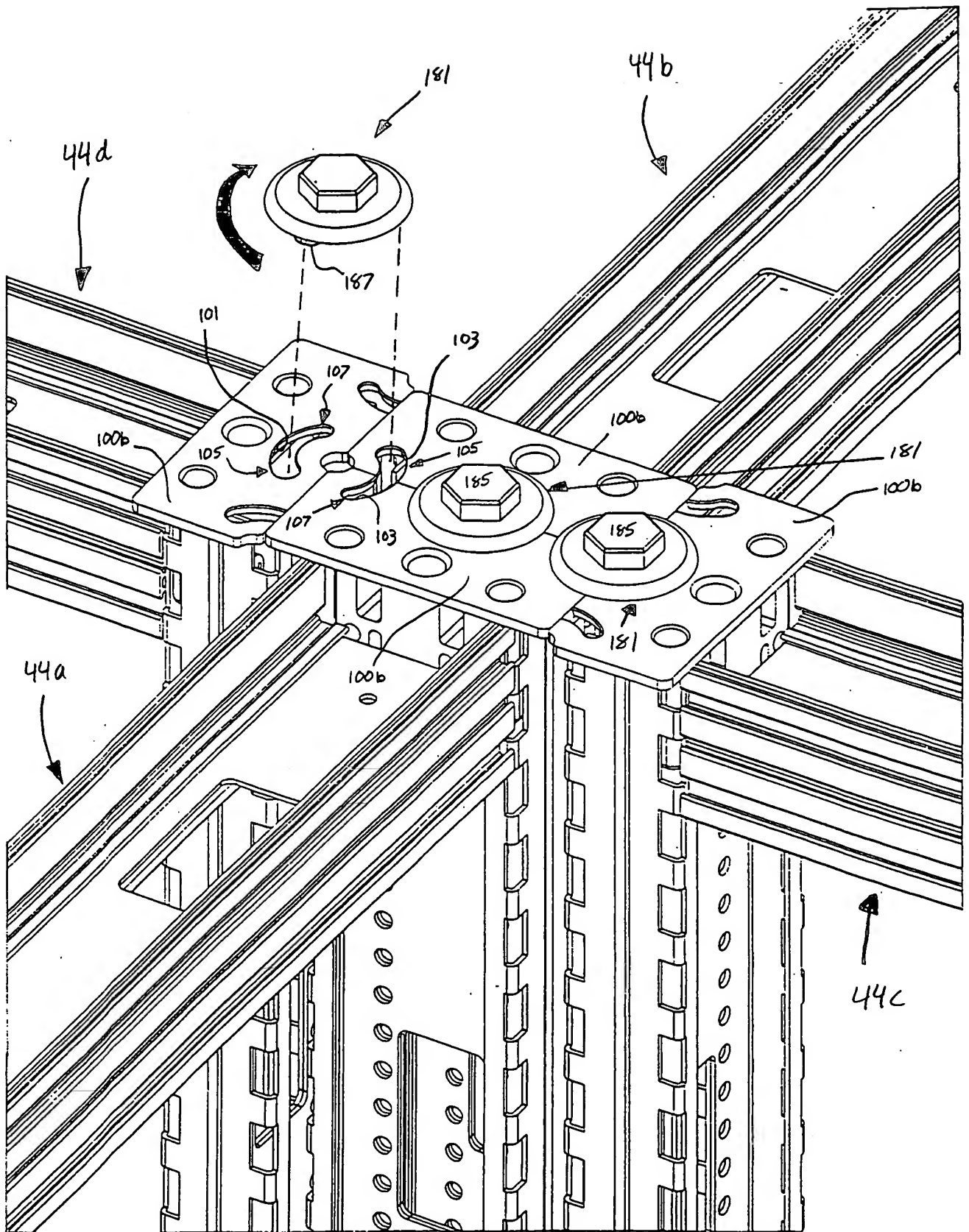


Fig. 15E

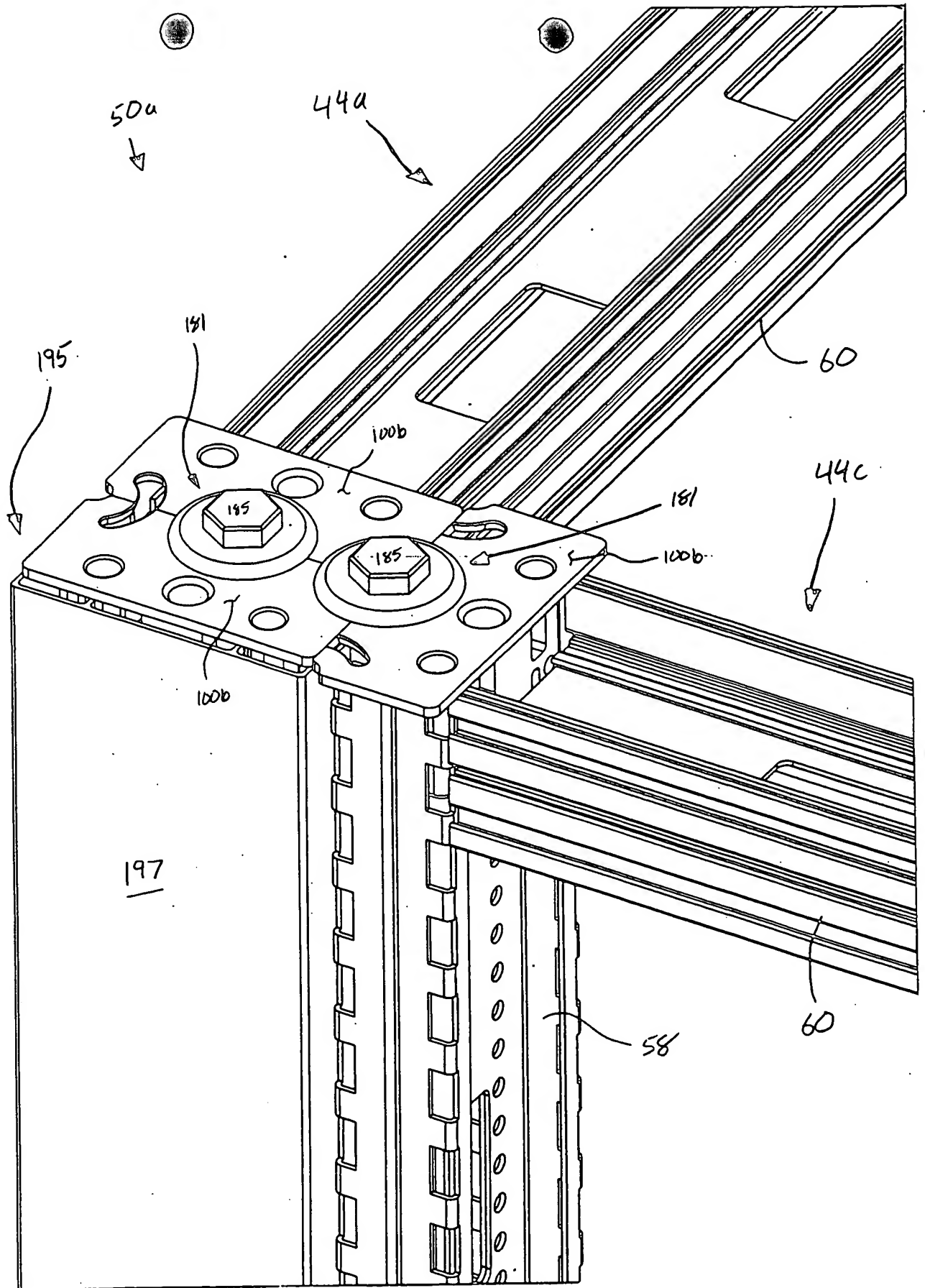


Fig. 15 F

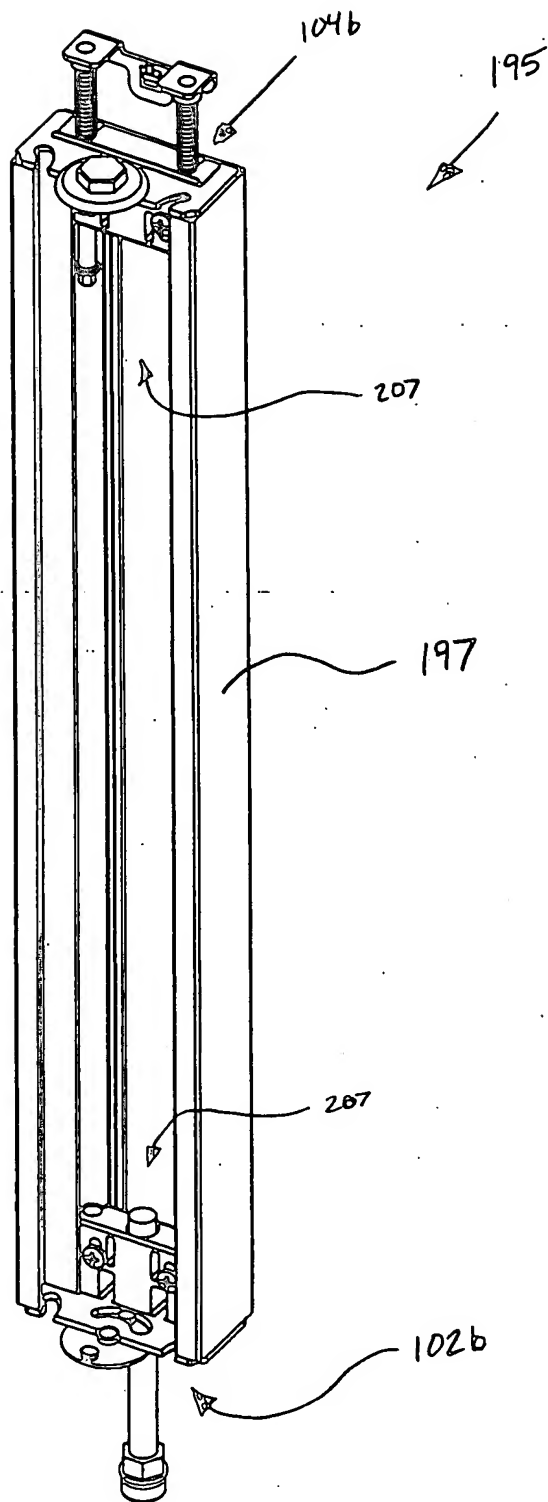


Fig. 156

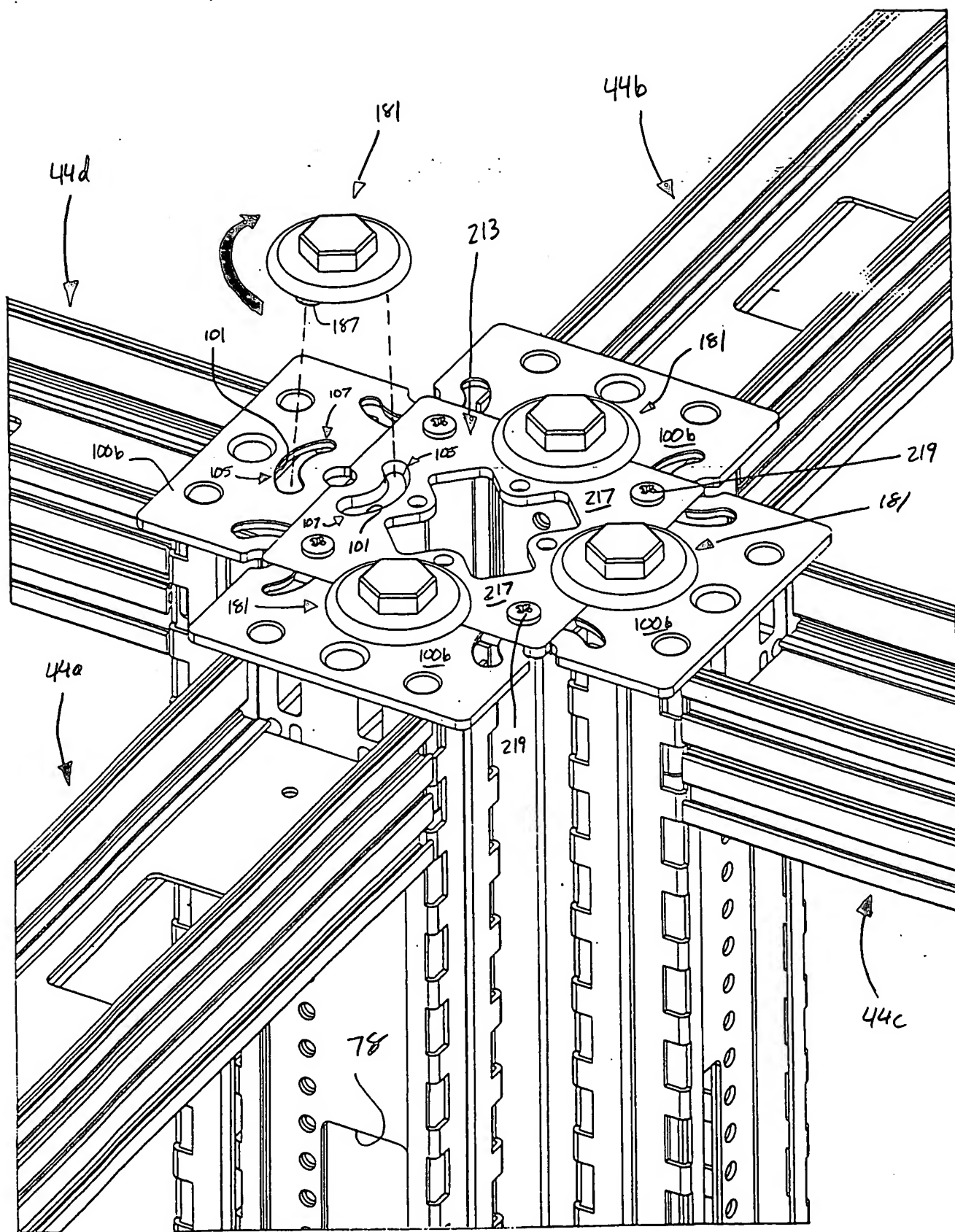


Fig. 15H

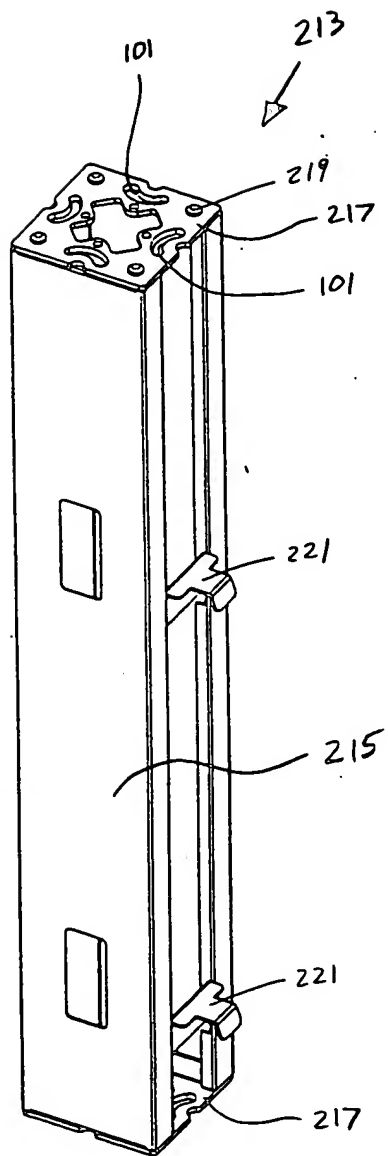


Fig. 15 J

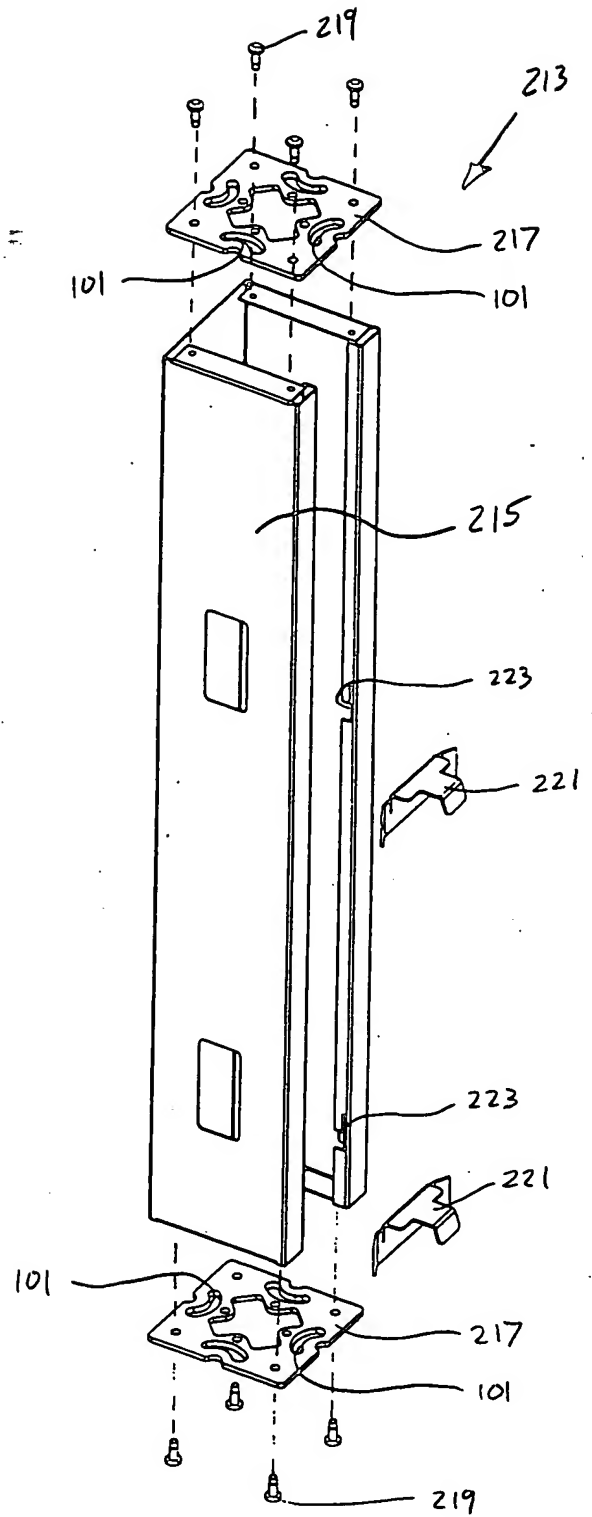


Fig. 15 I

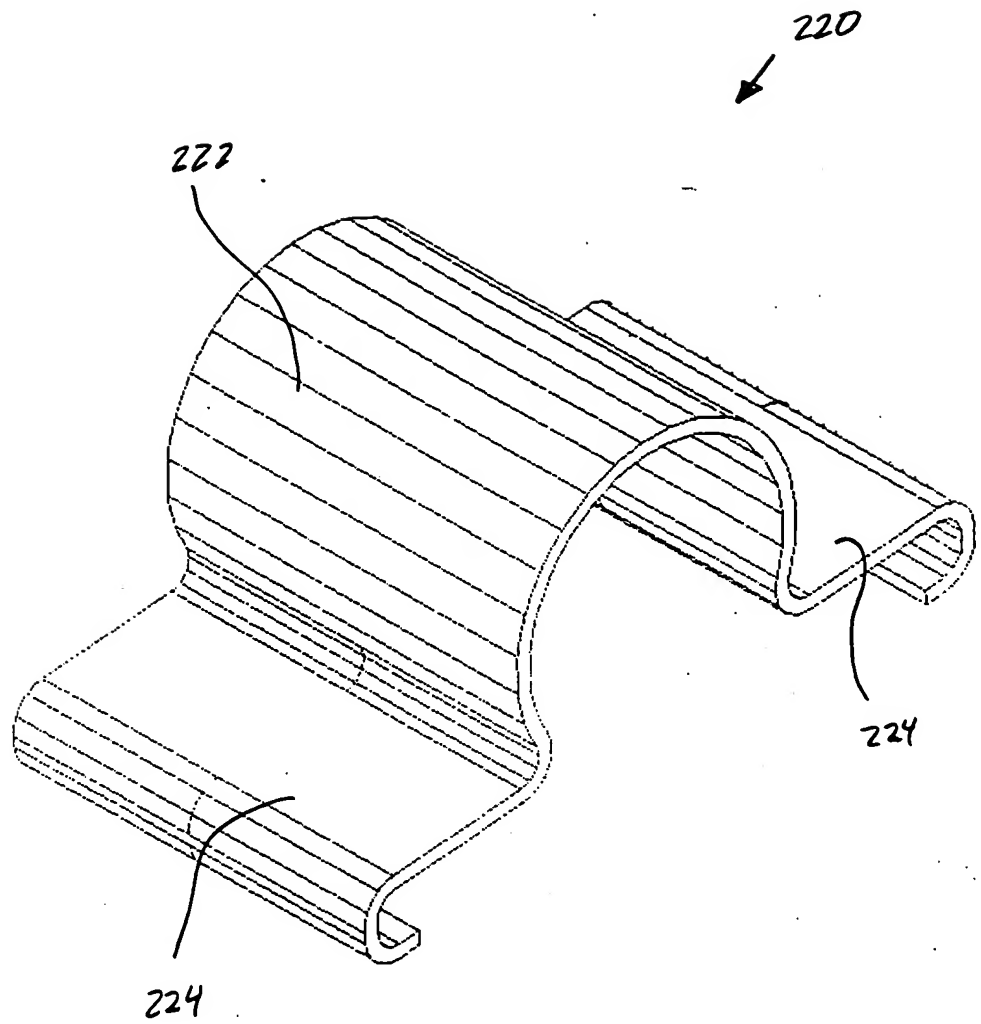


Fig. 16

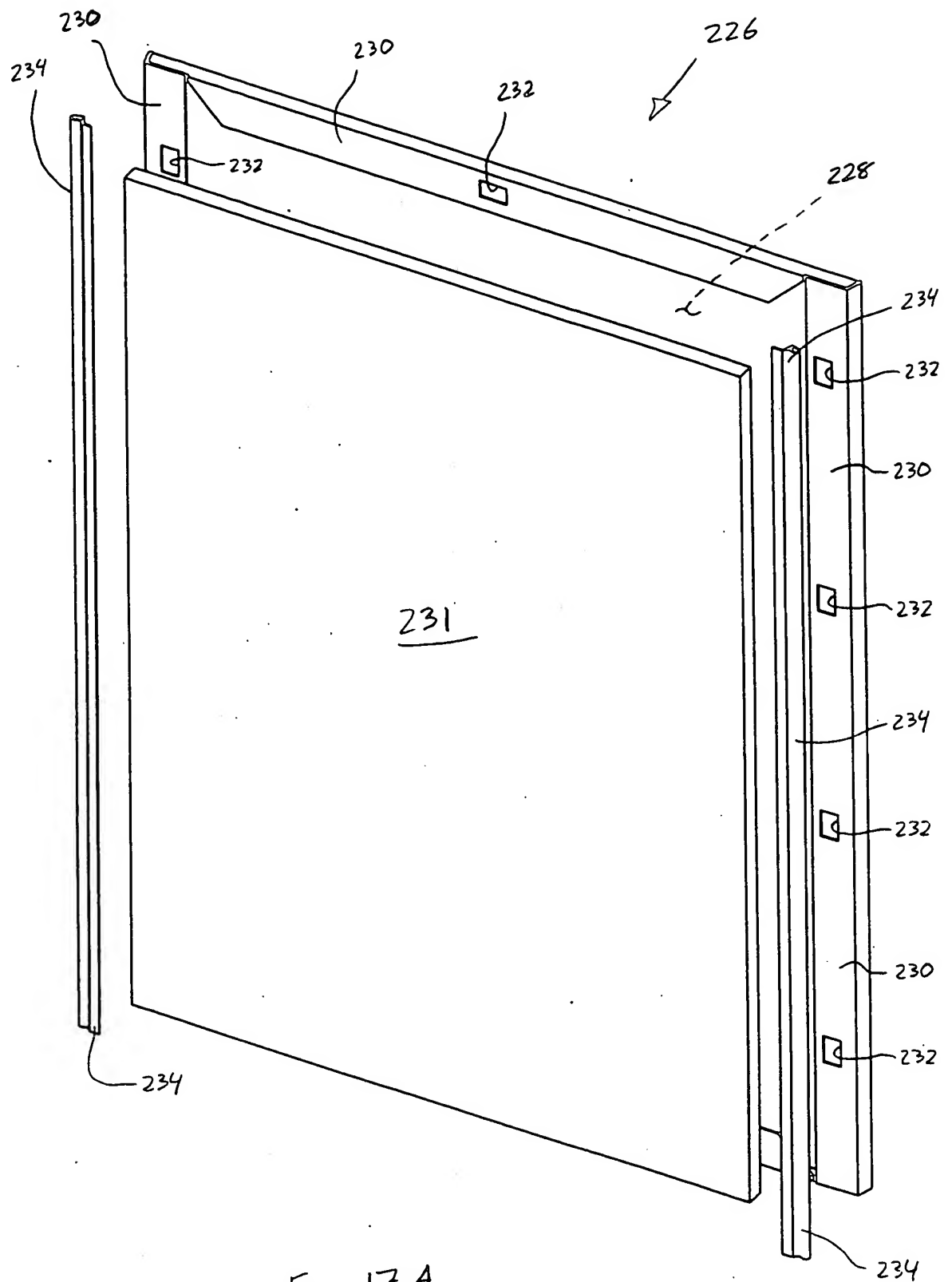


Fig. 17A

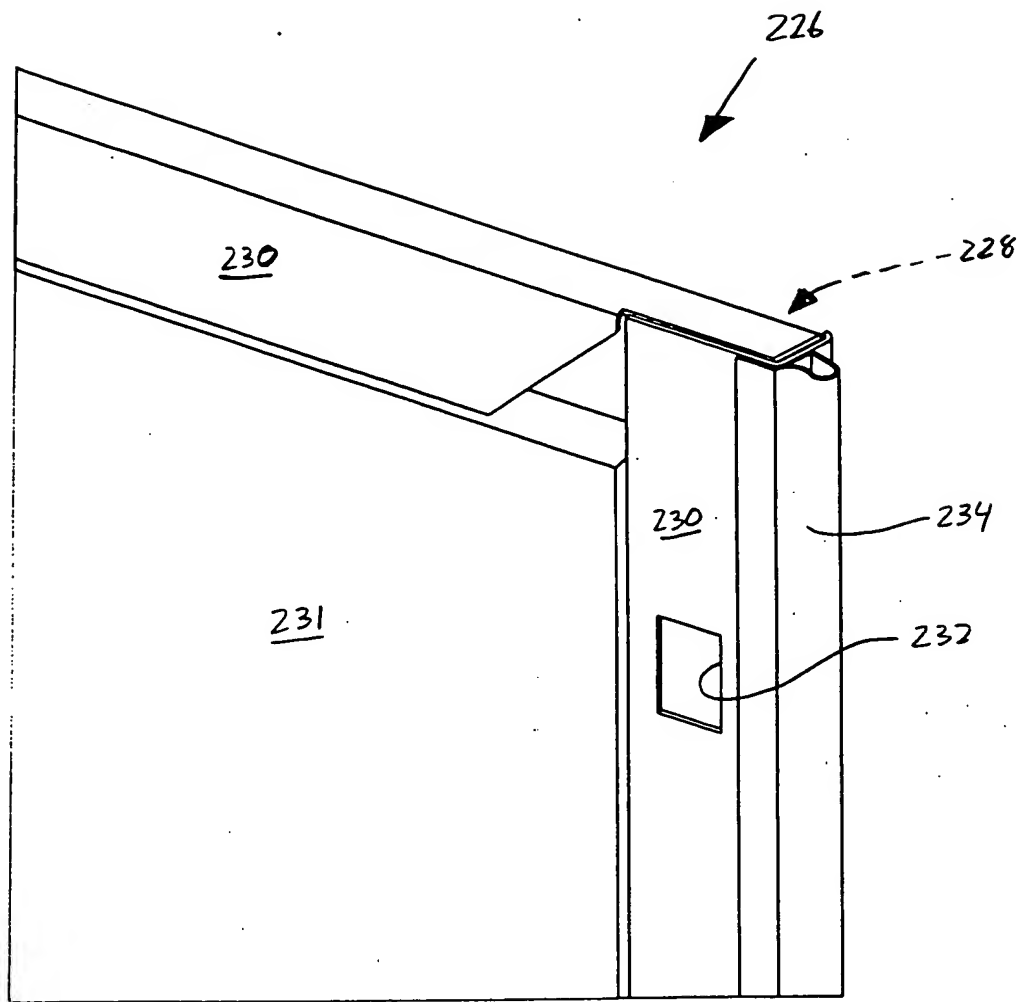


Fig. 17 B

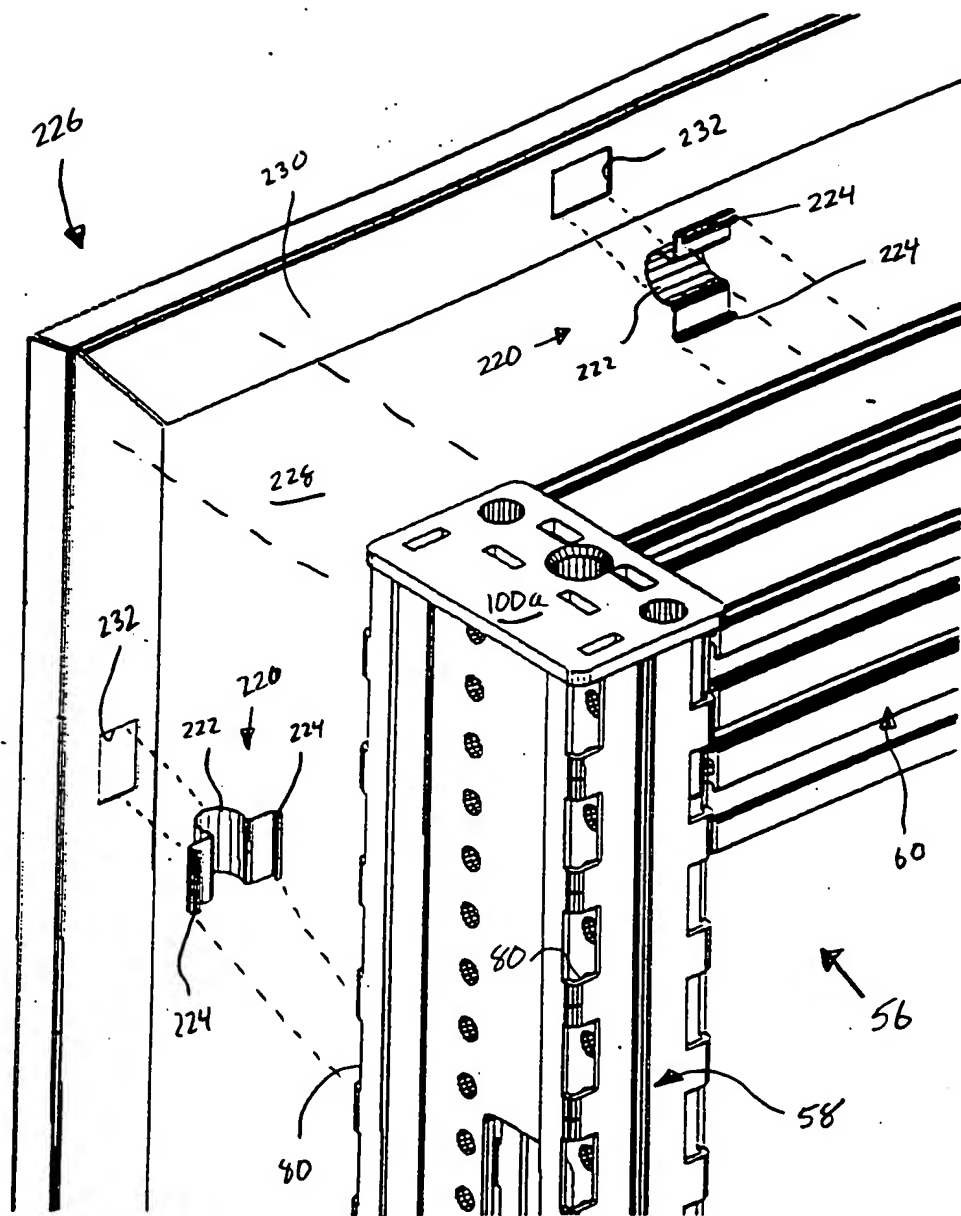


Fig. 18A

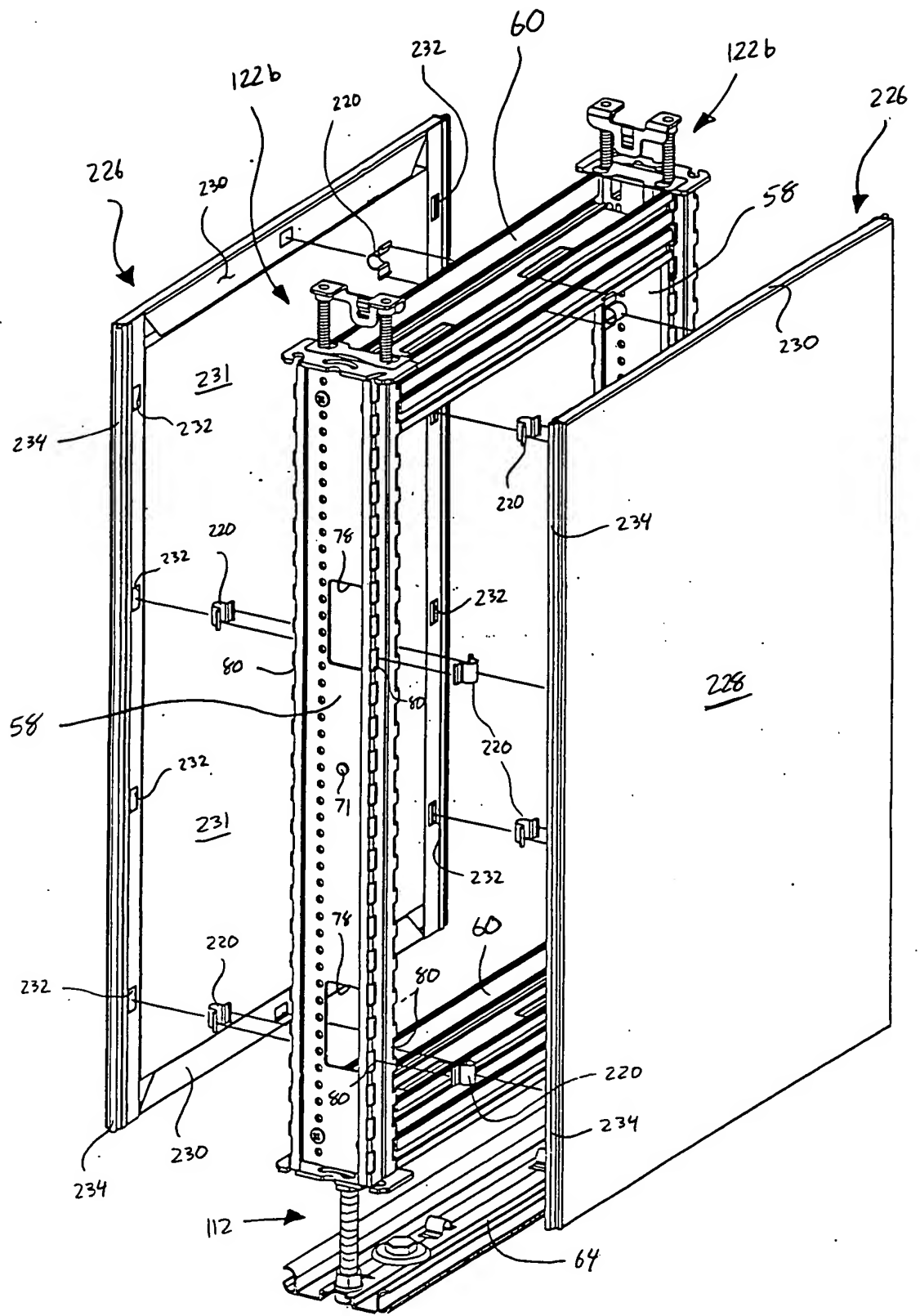


Fig. 18B

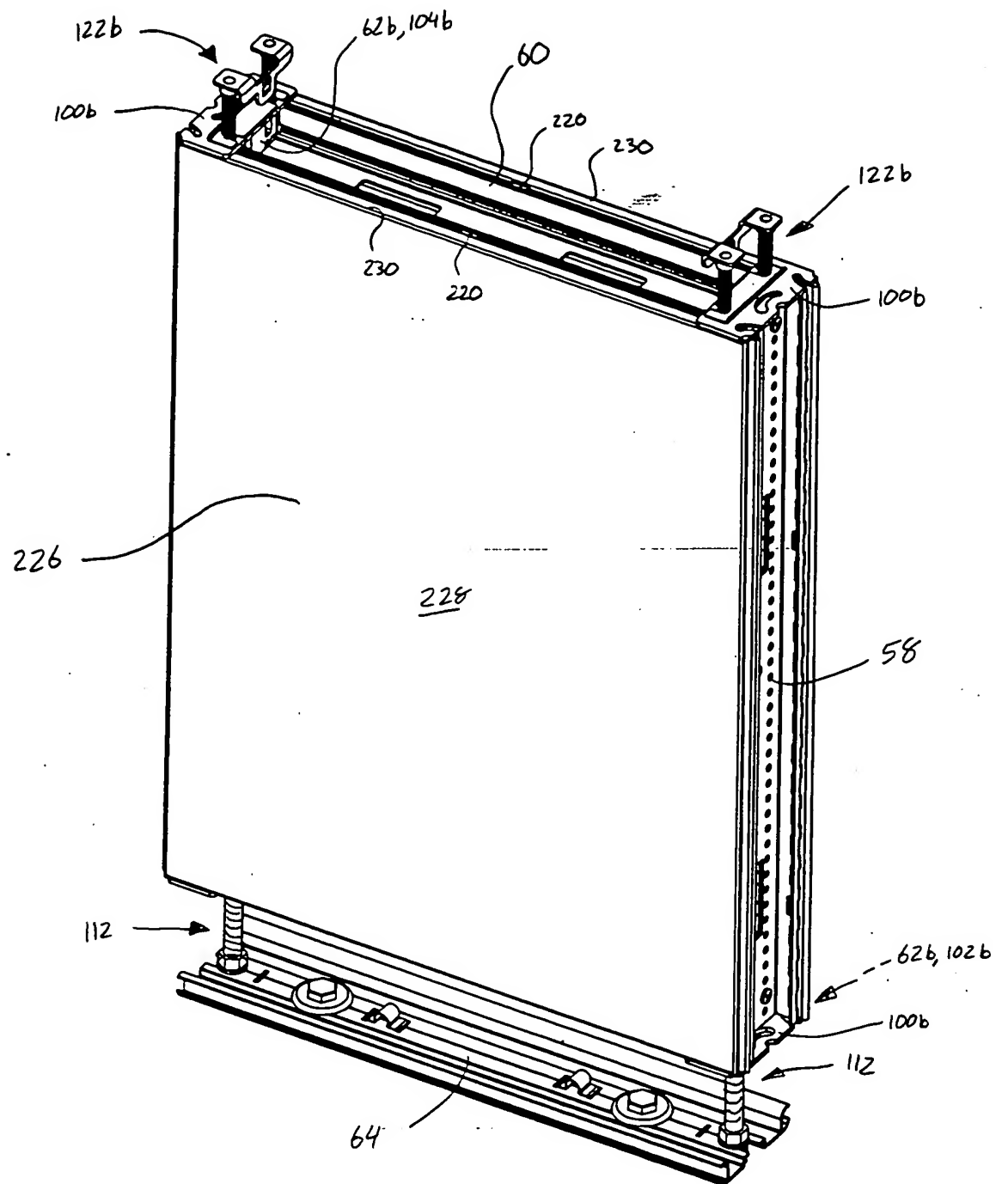


Fig. 18C

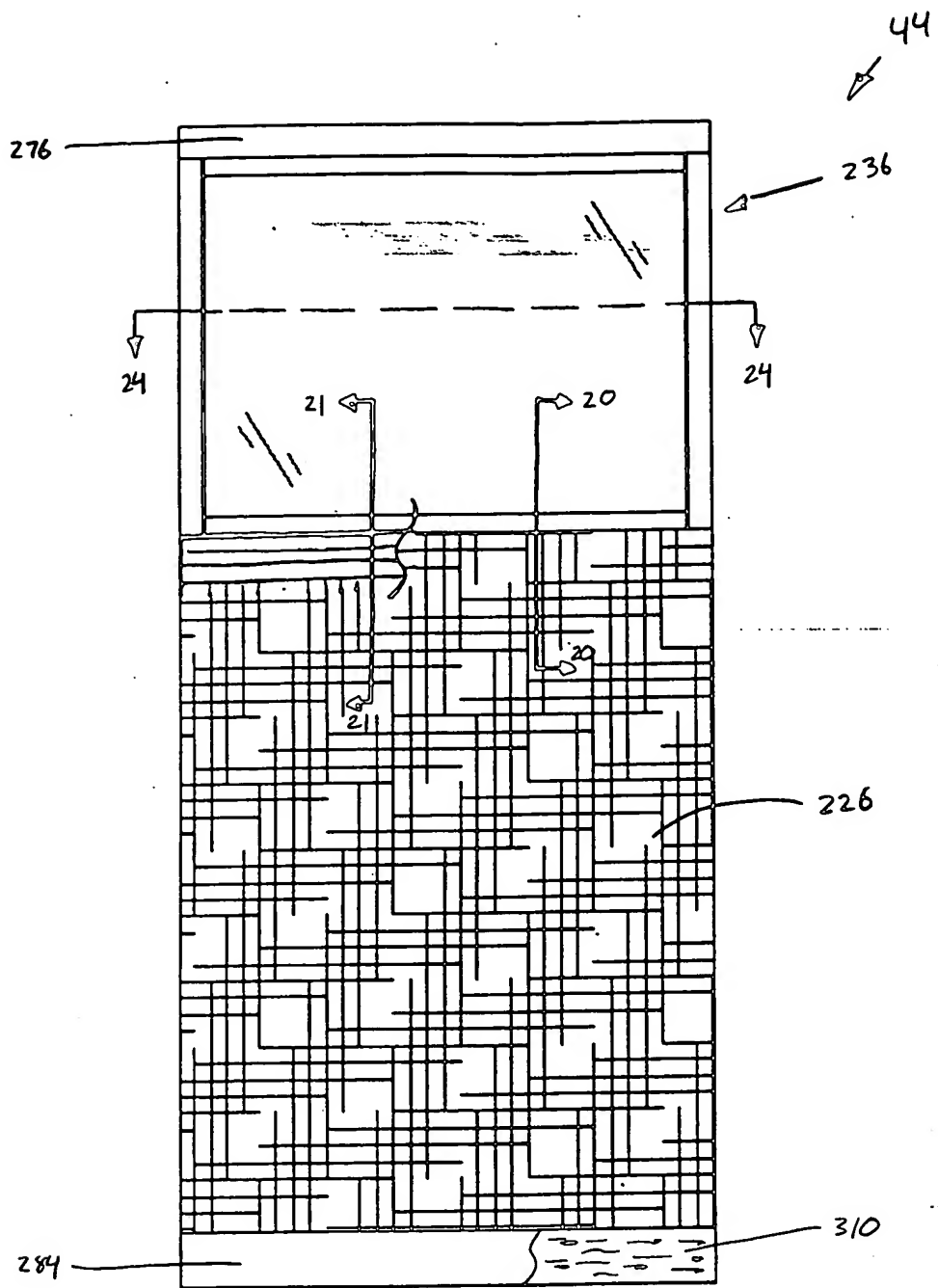


Fig. 19

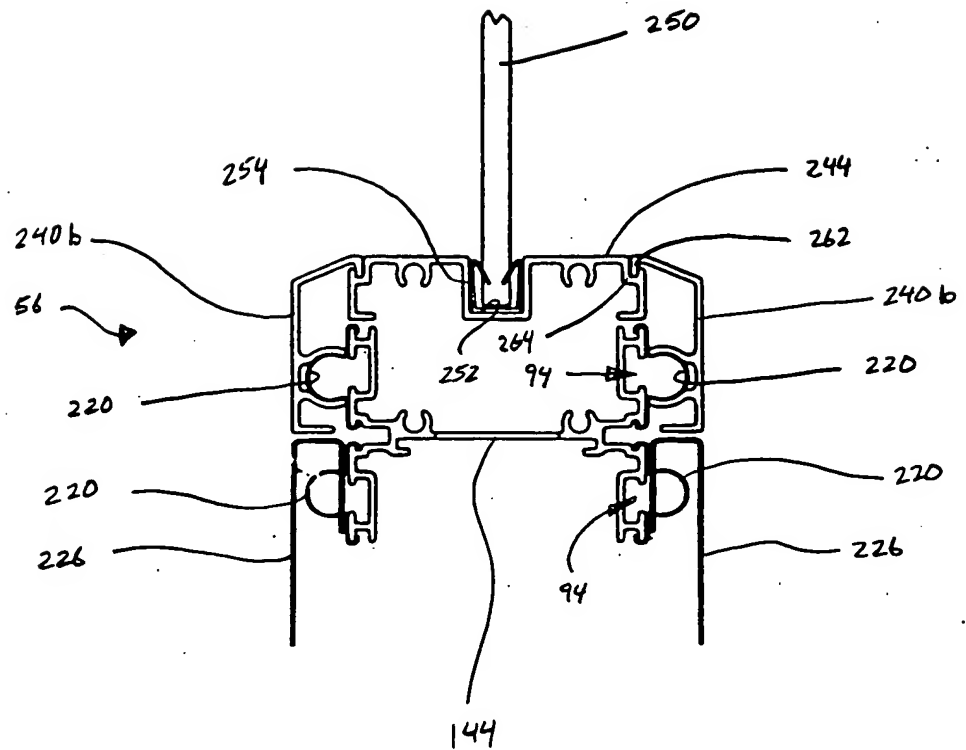


Fig. 20

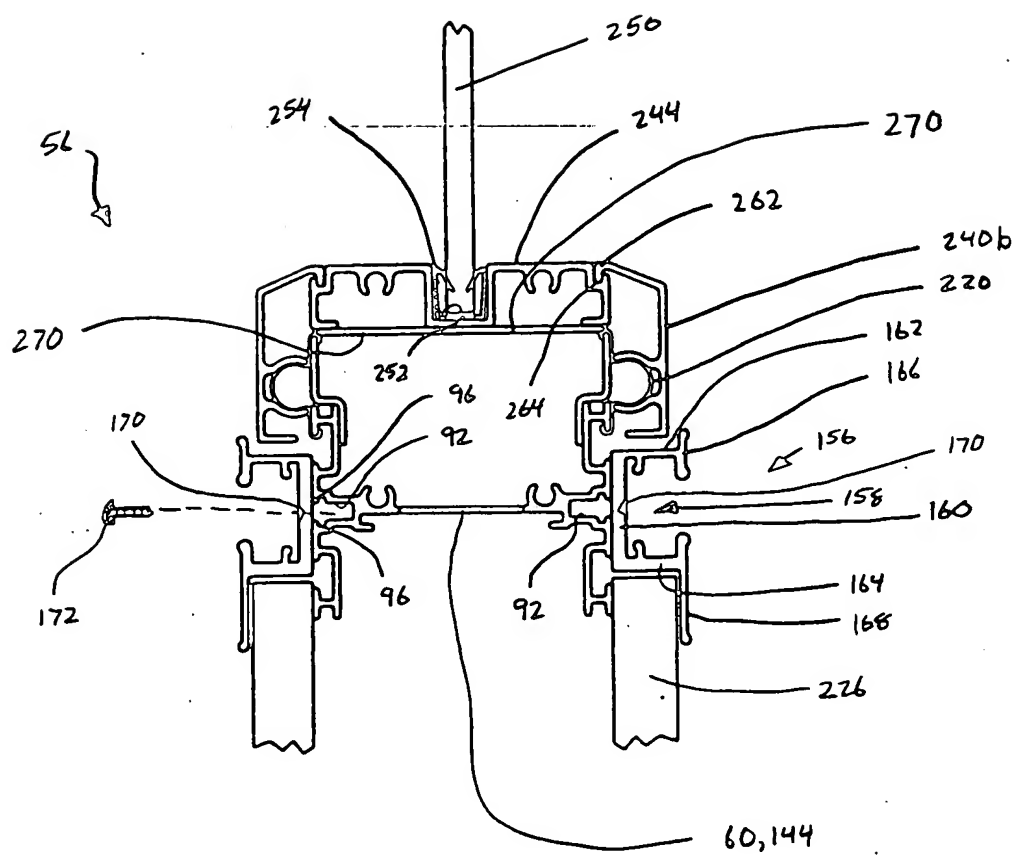


Fig. 21

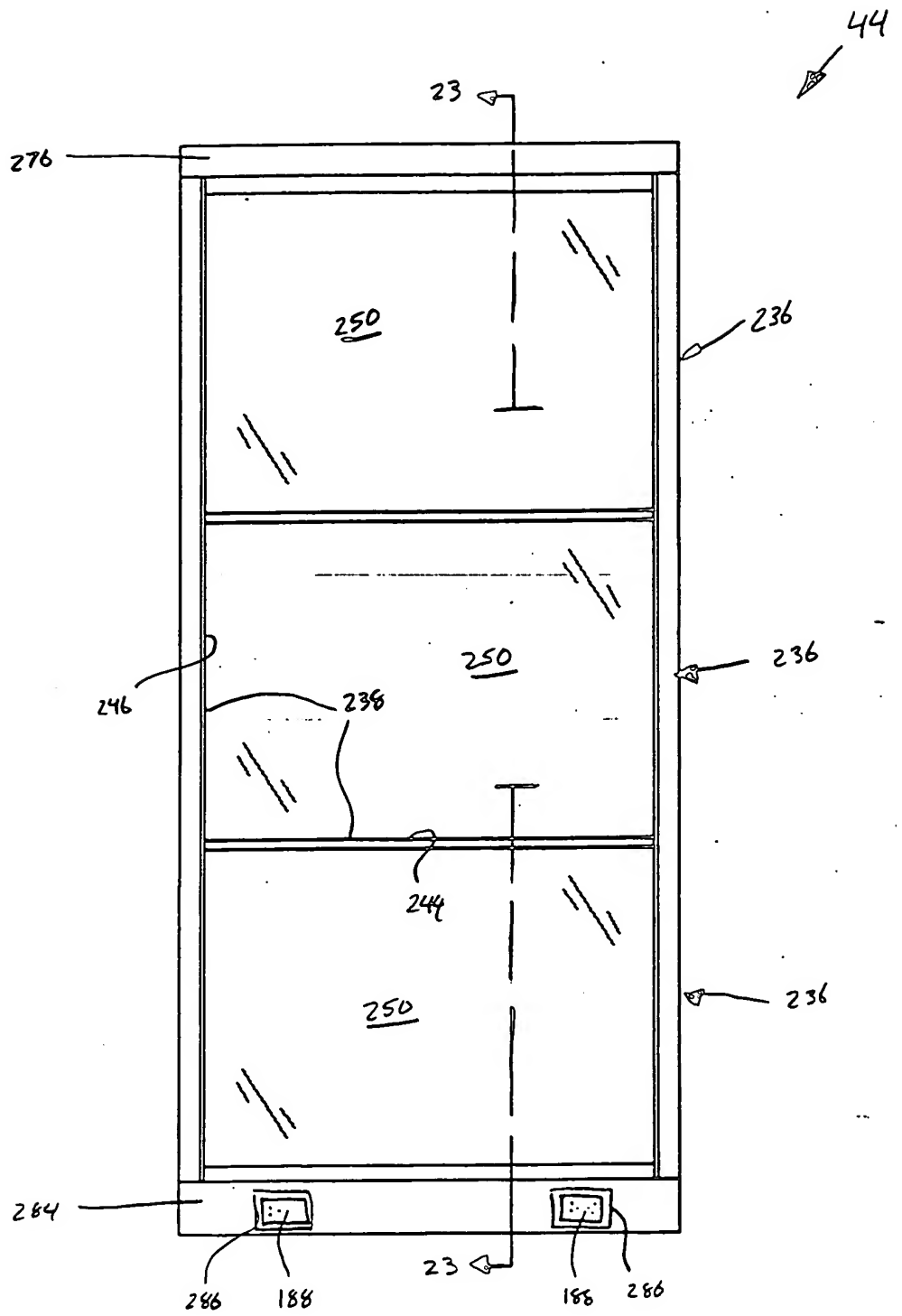


Fig. 22 A

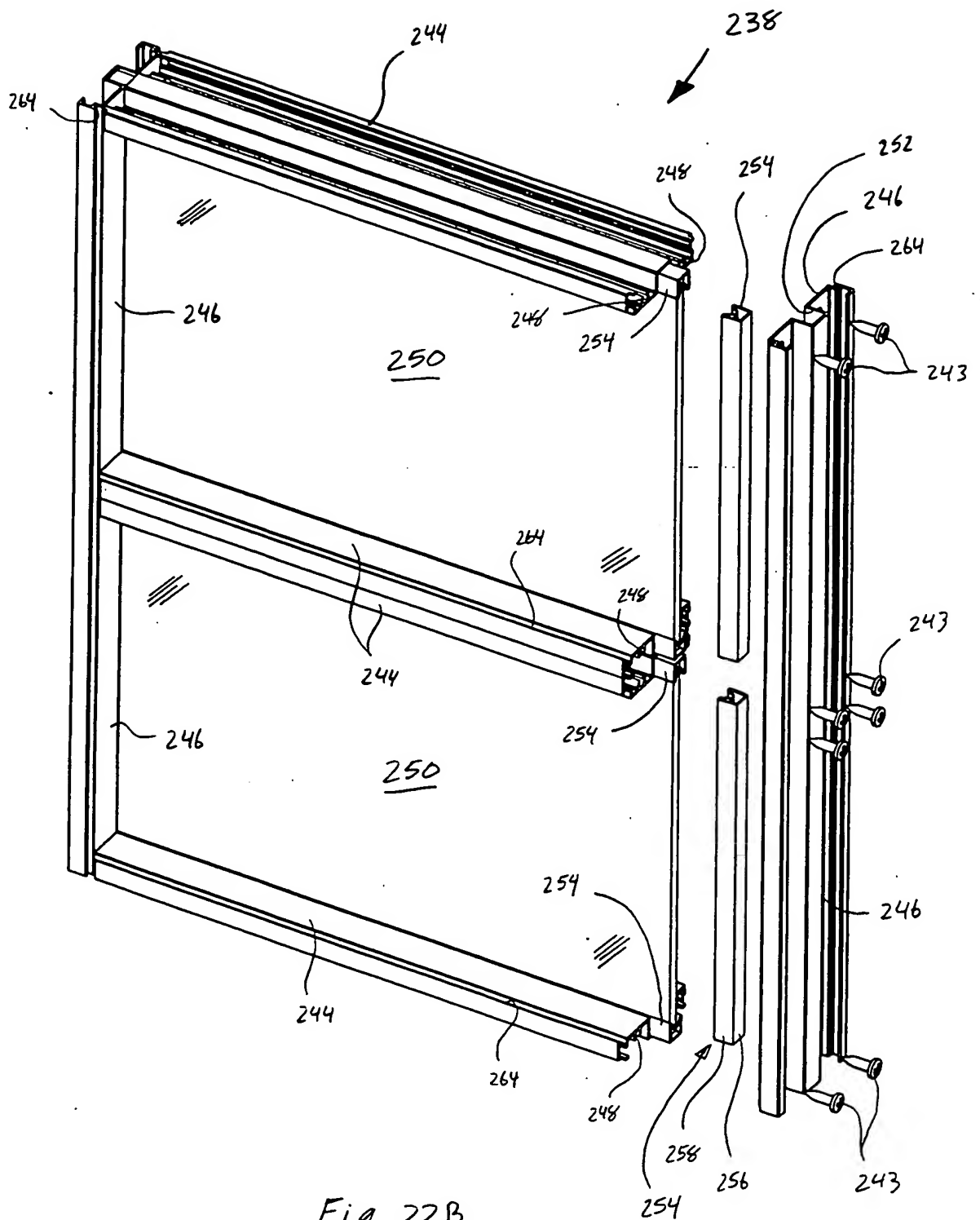


Fig. 22B

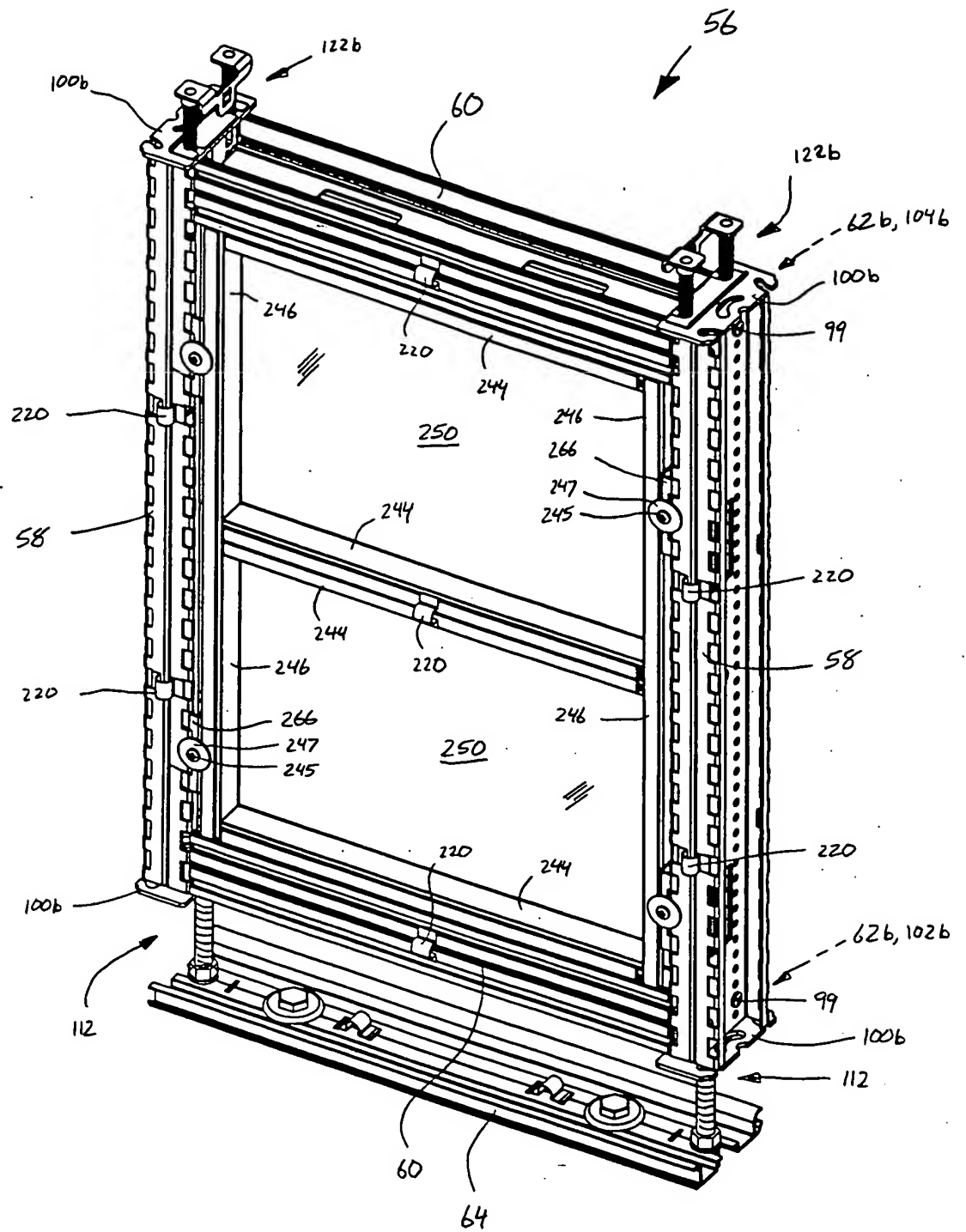


Fig. 22C

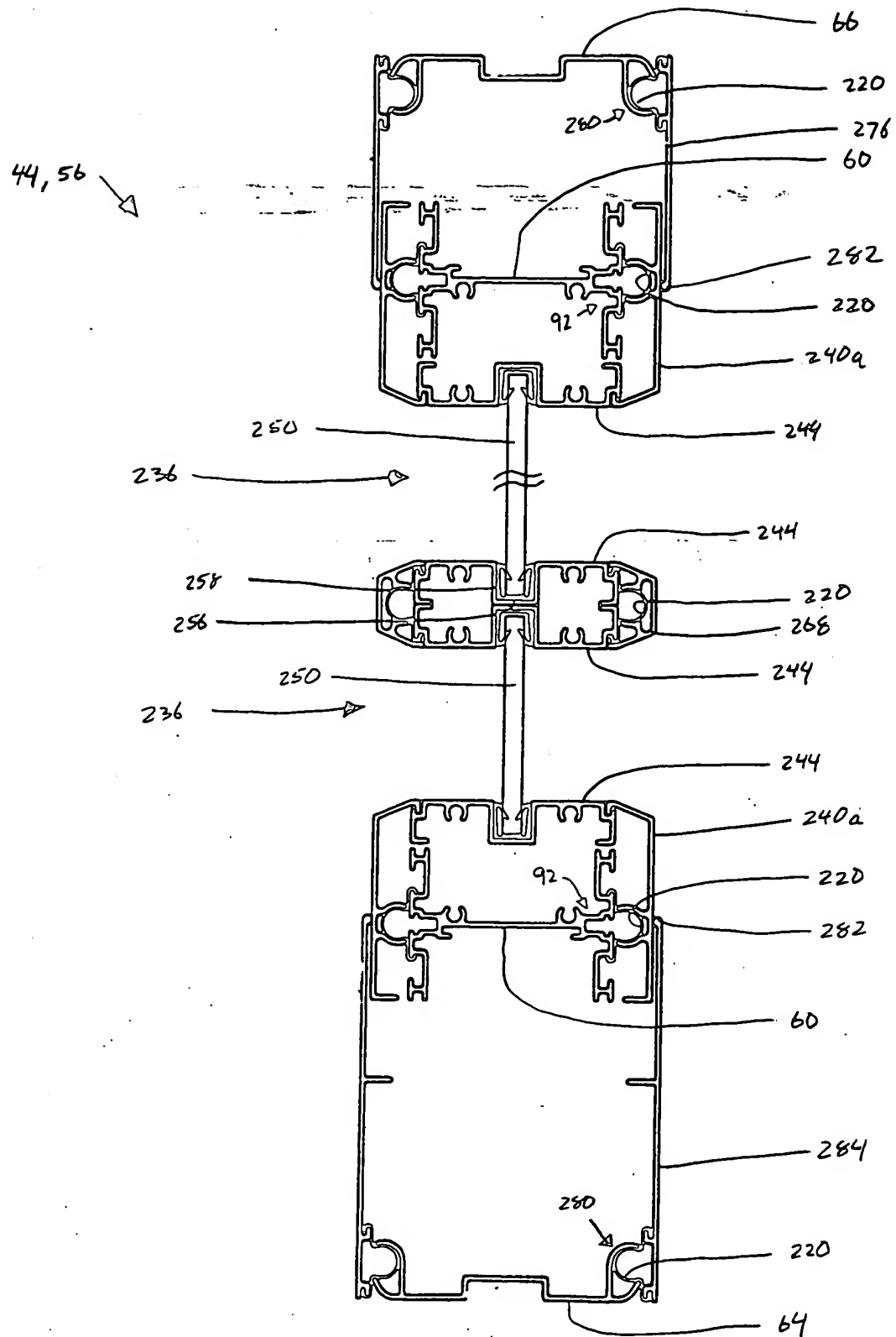


Fig. 23

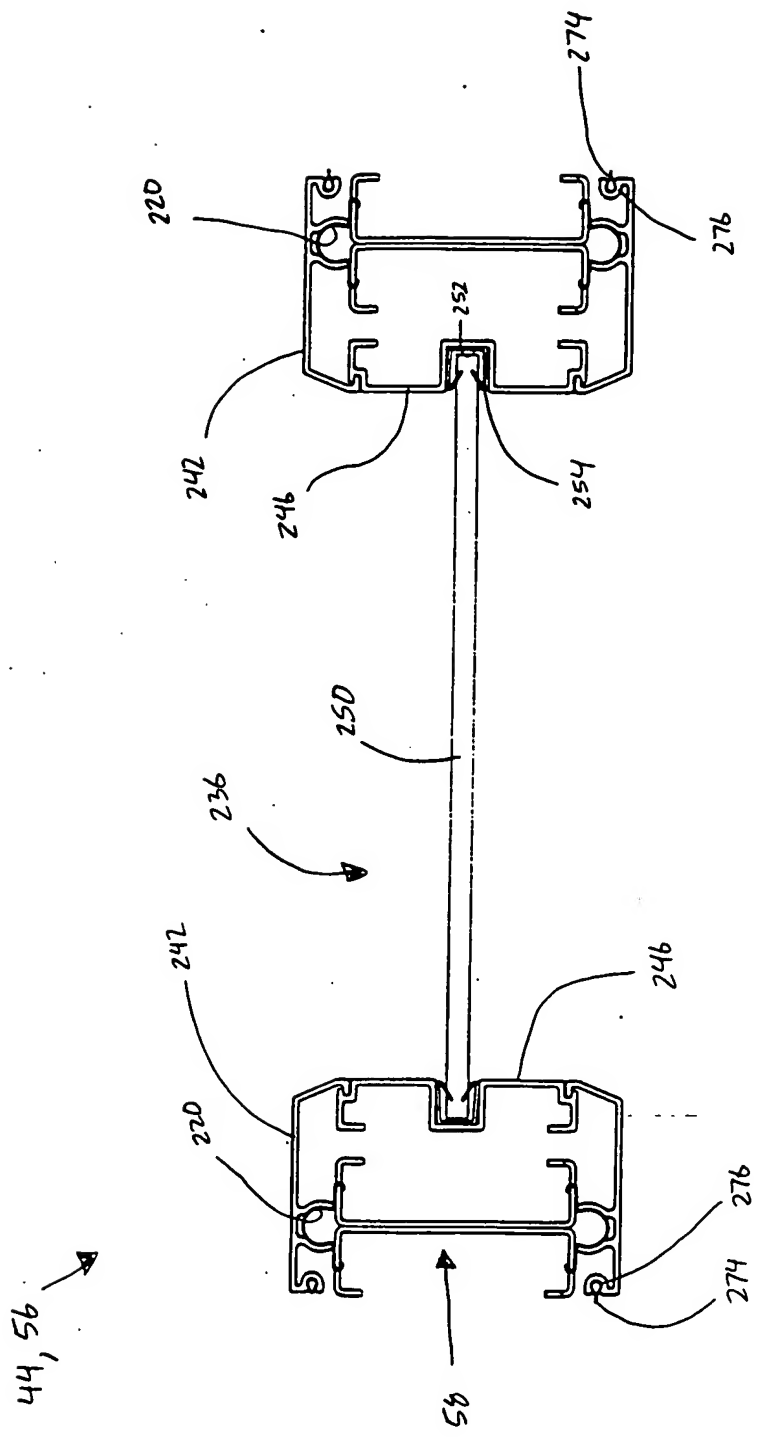


Fig. 24

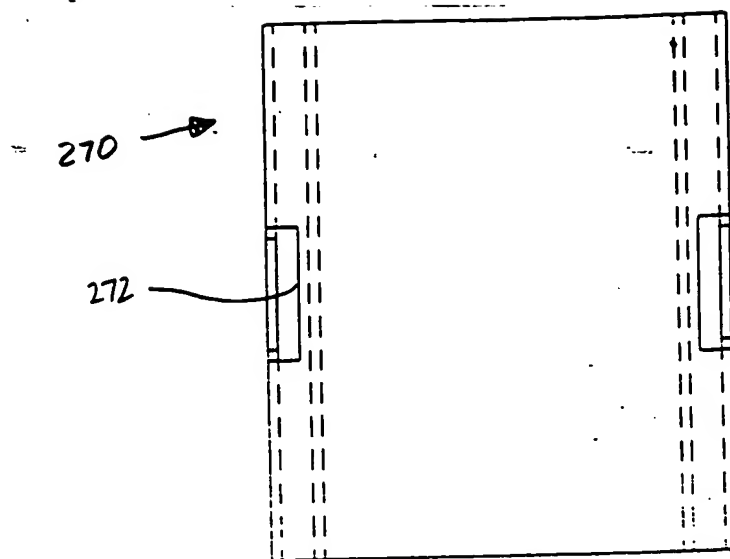


Fig. 25 A

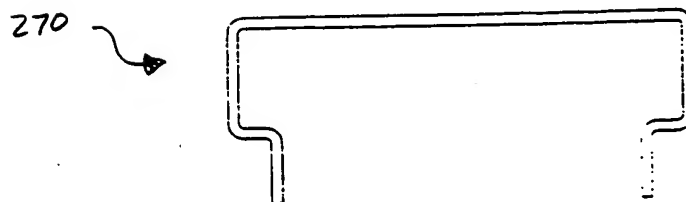


Fig. 25 B

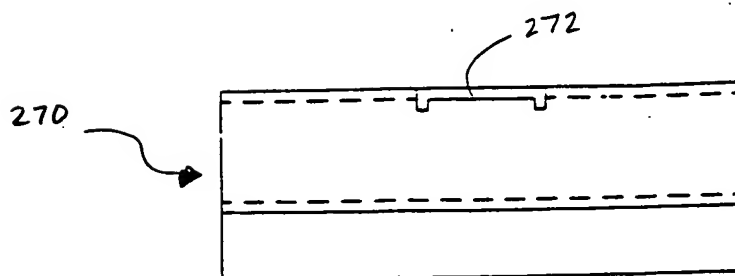


Fig. 25 C

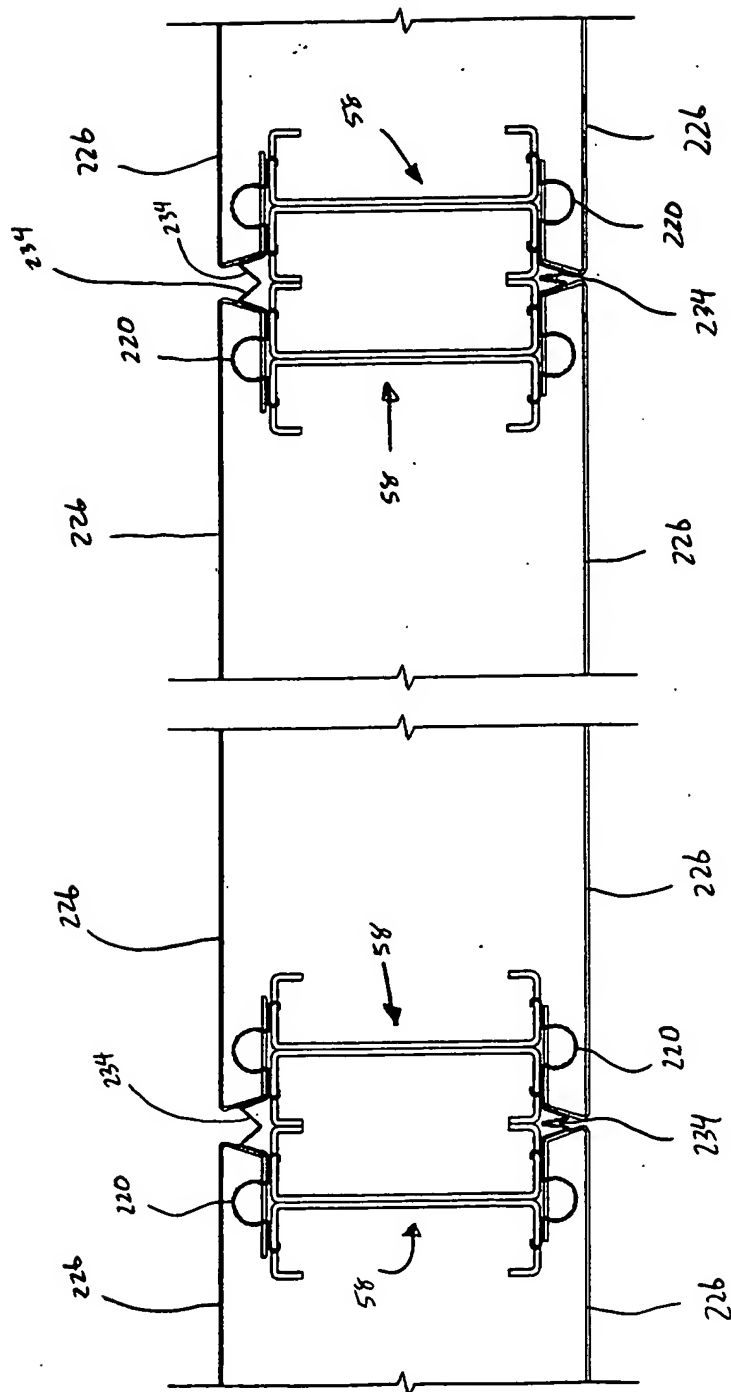
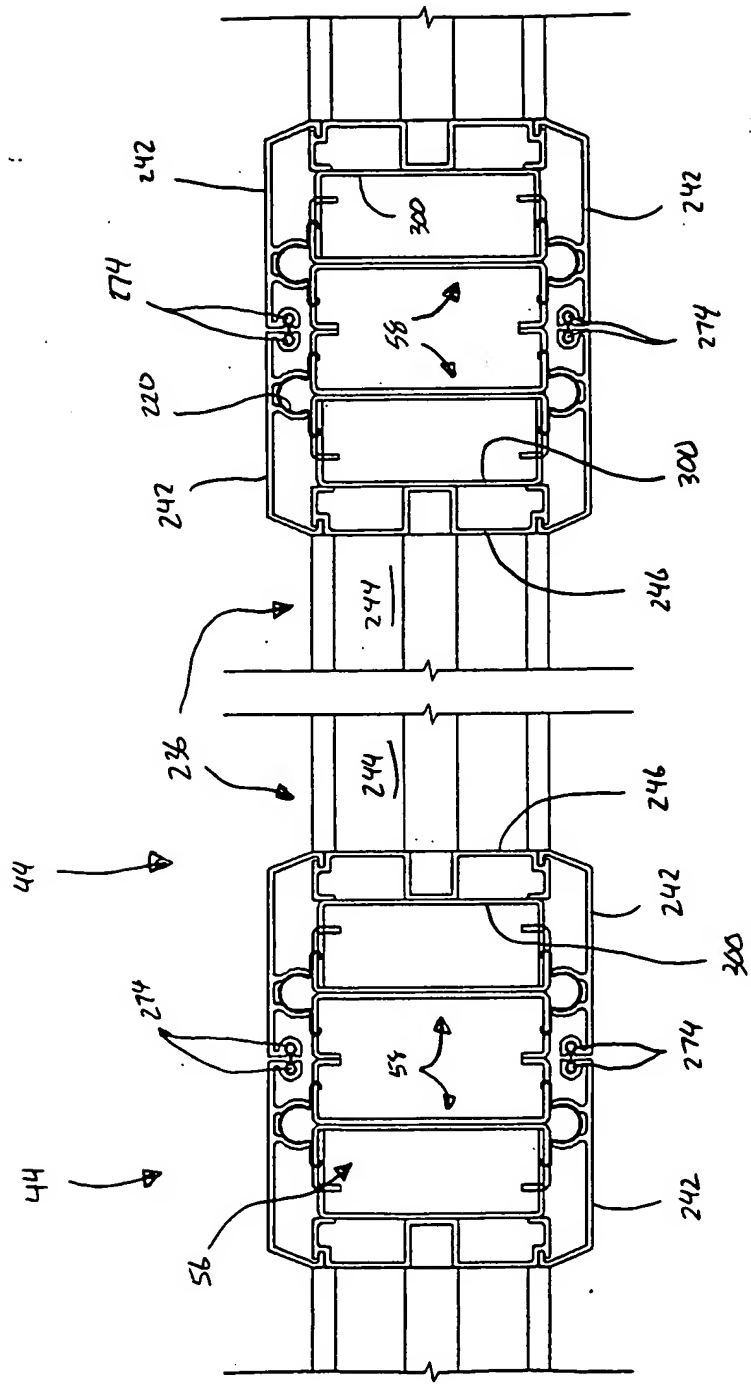


Fig. 26



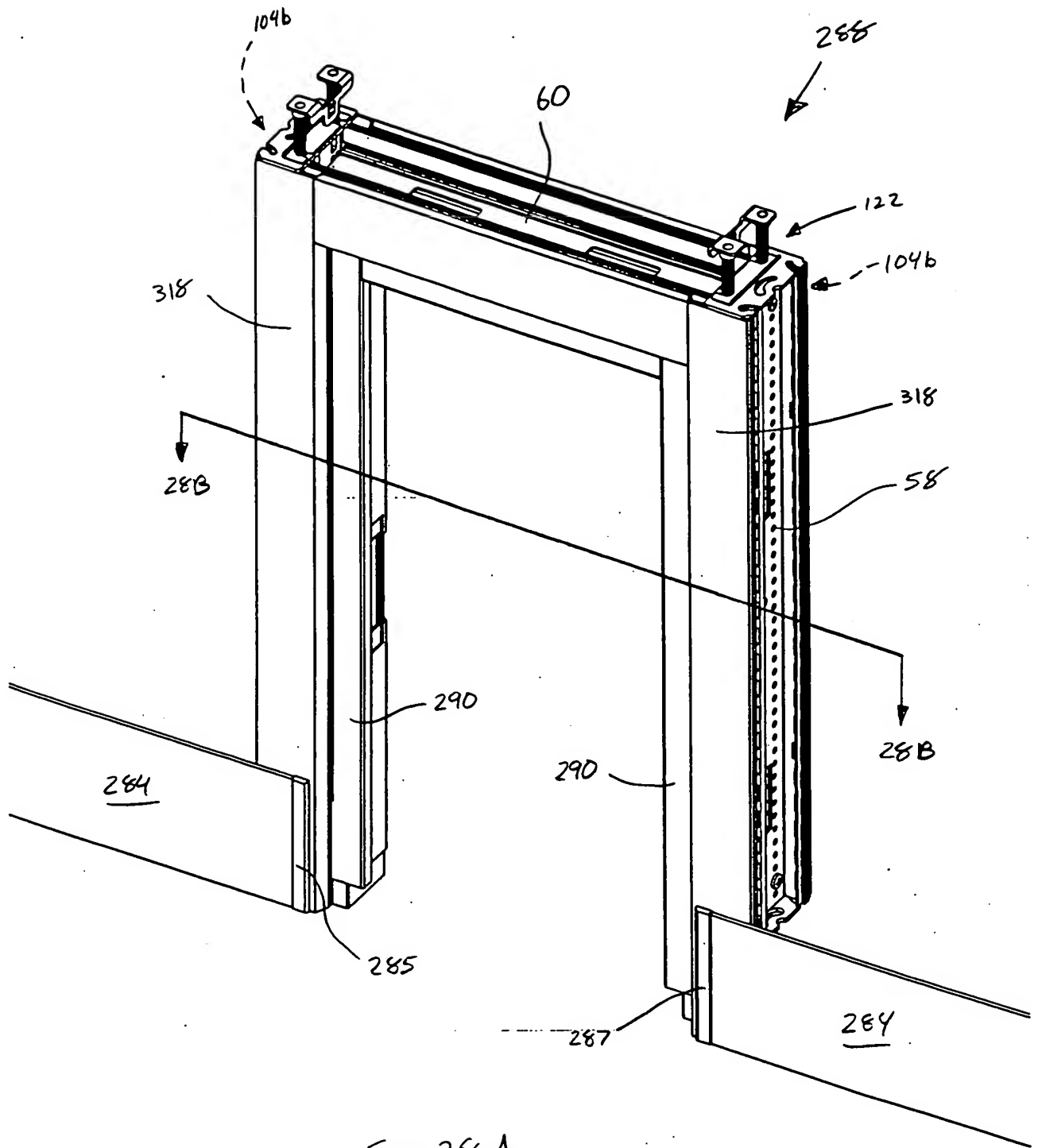


Fig. 28A

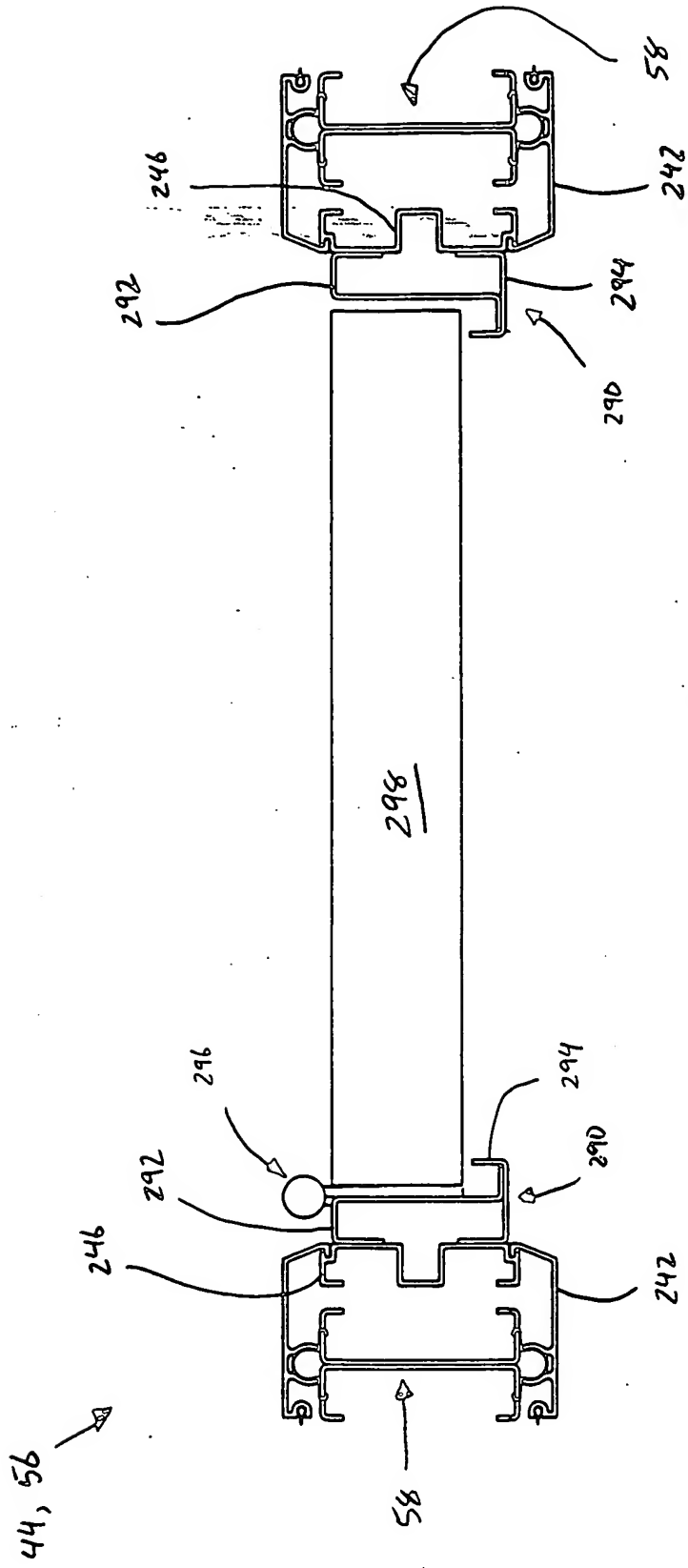


Fig. 28B

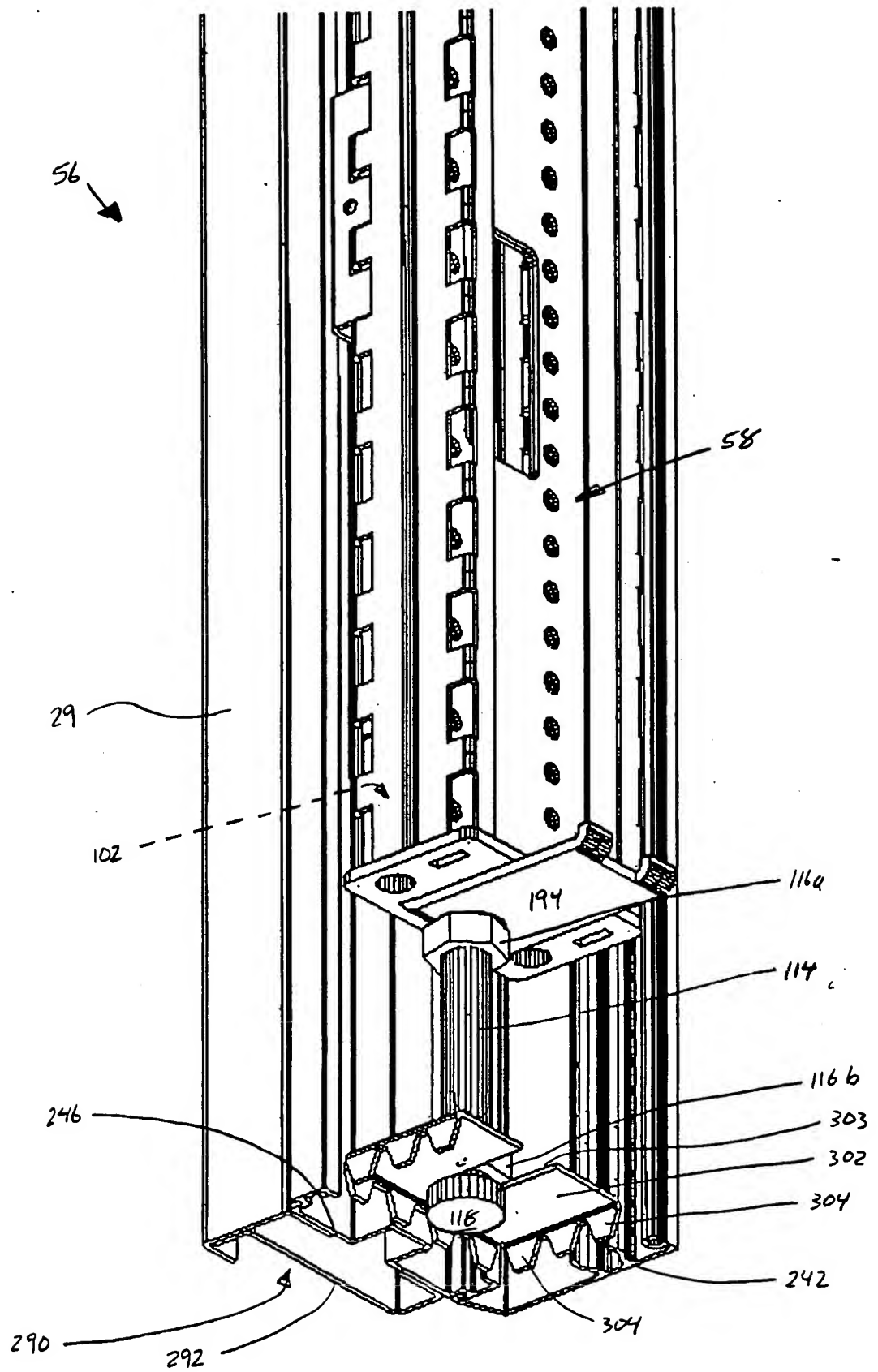


Fig. 29

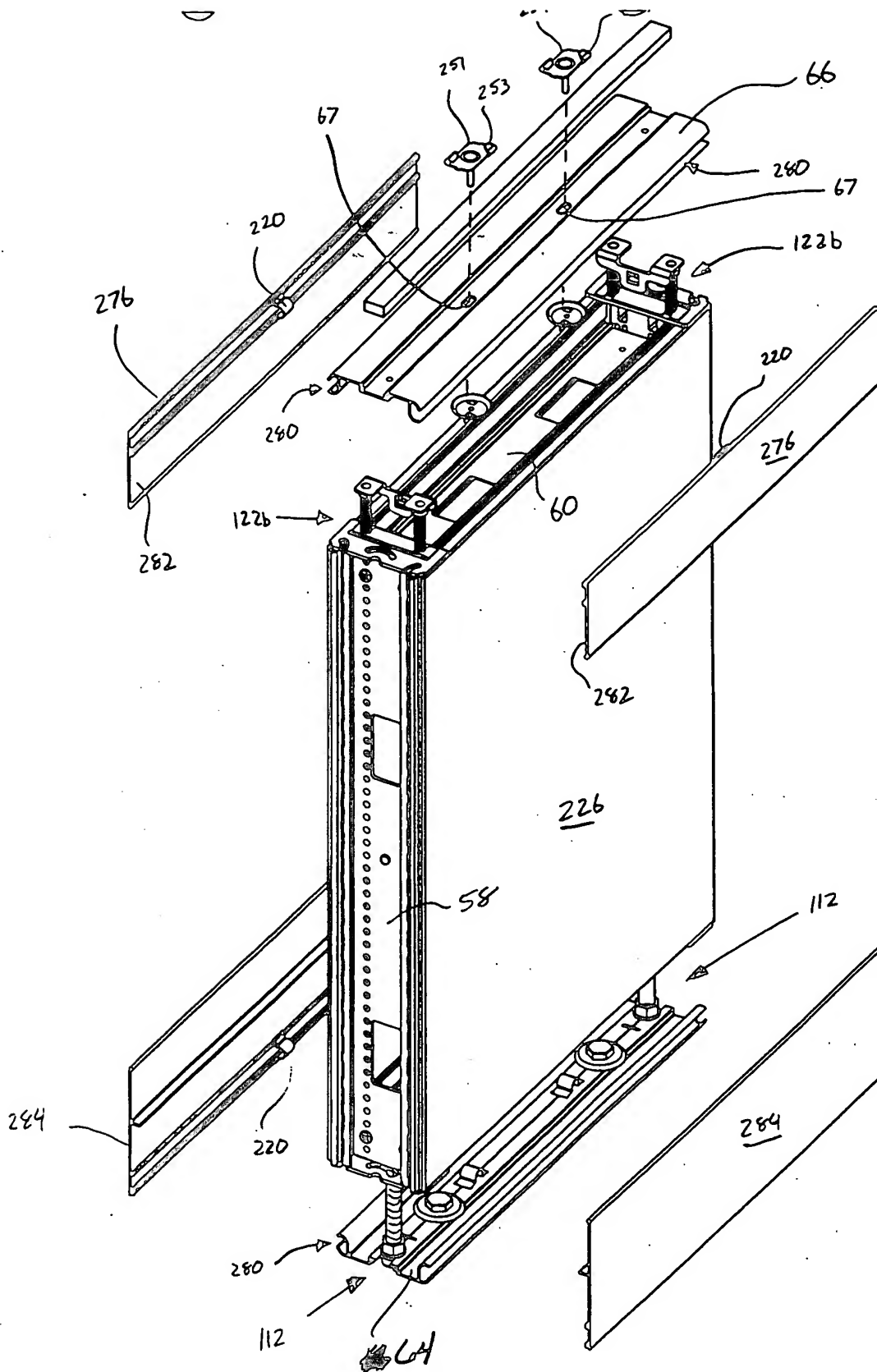


Fig. 30A

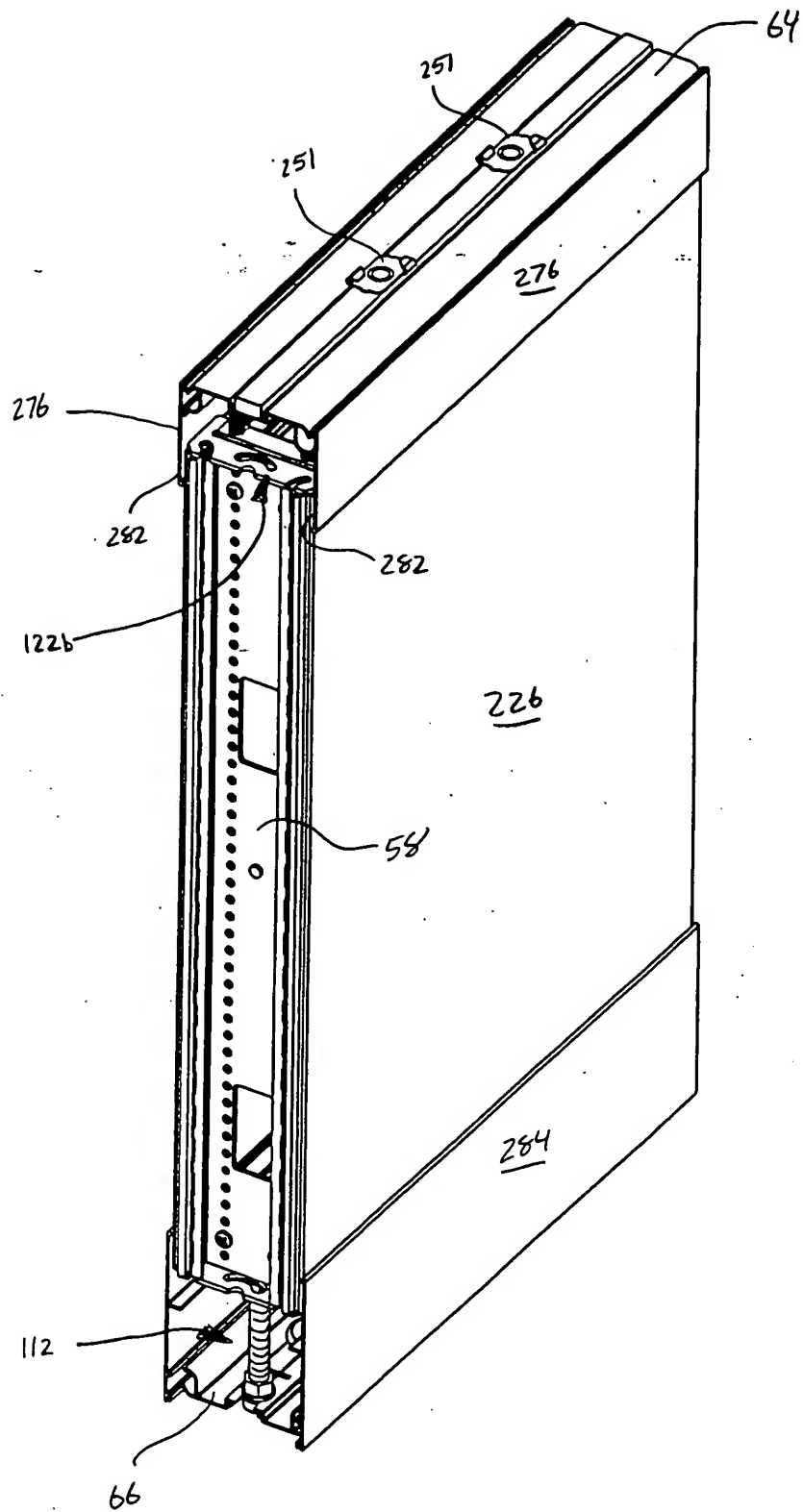


Fig. 30B

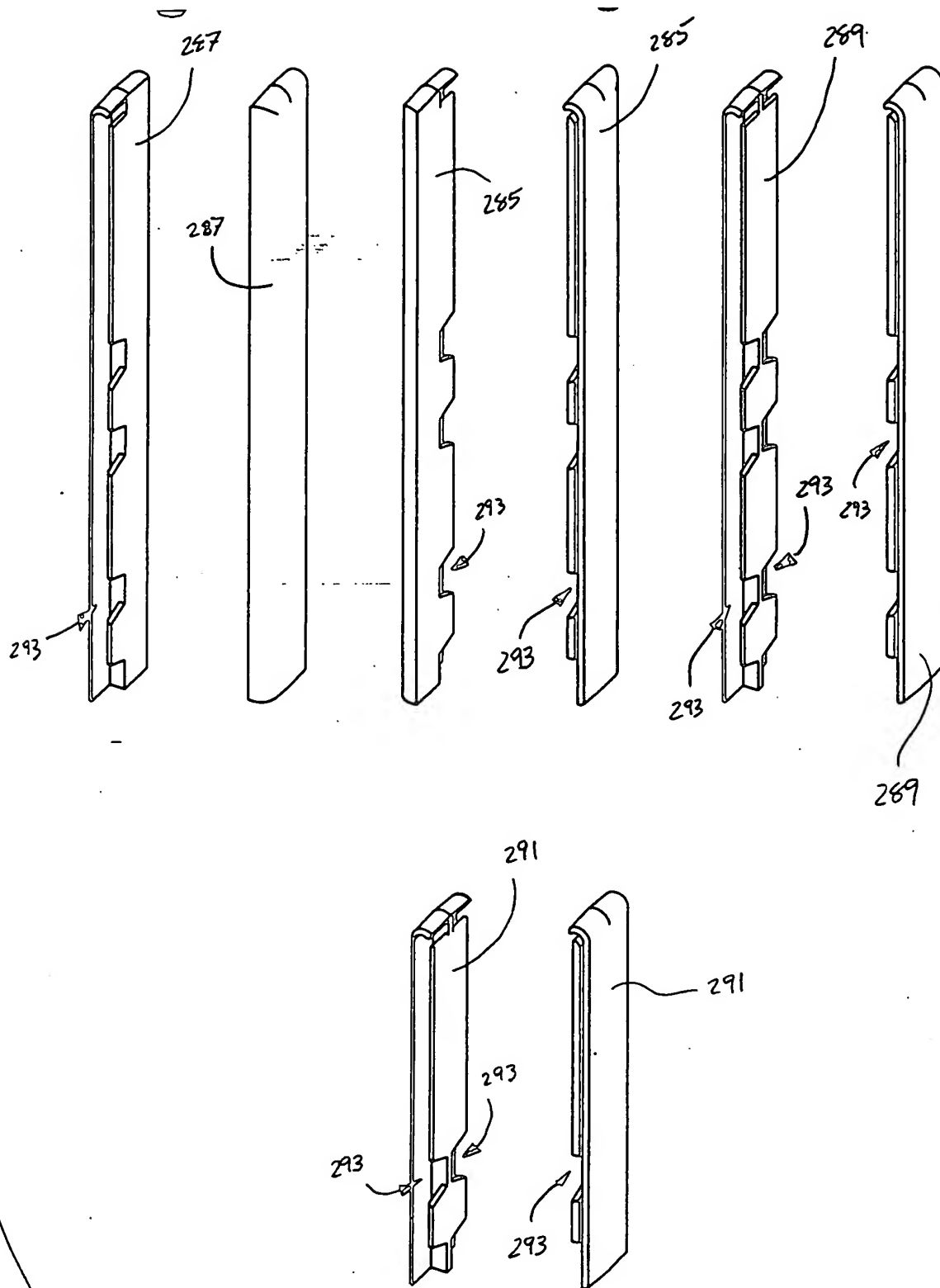
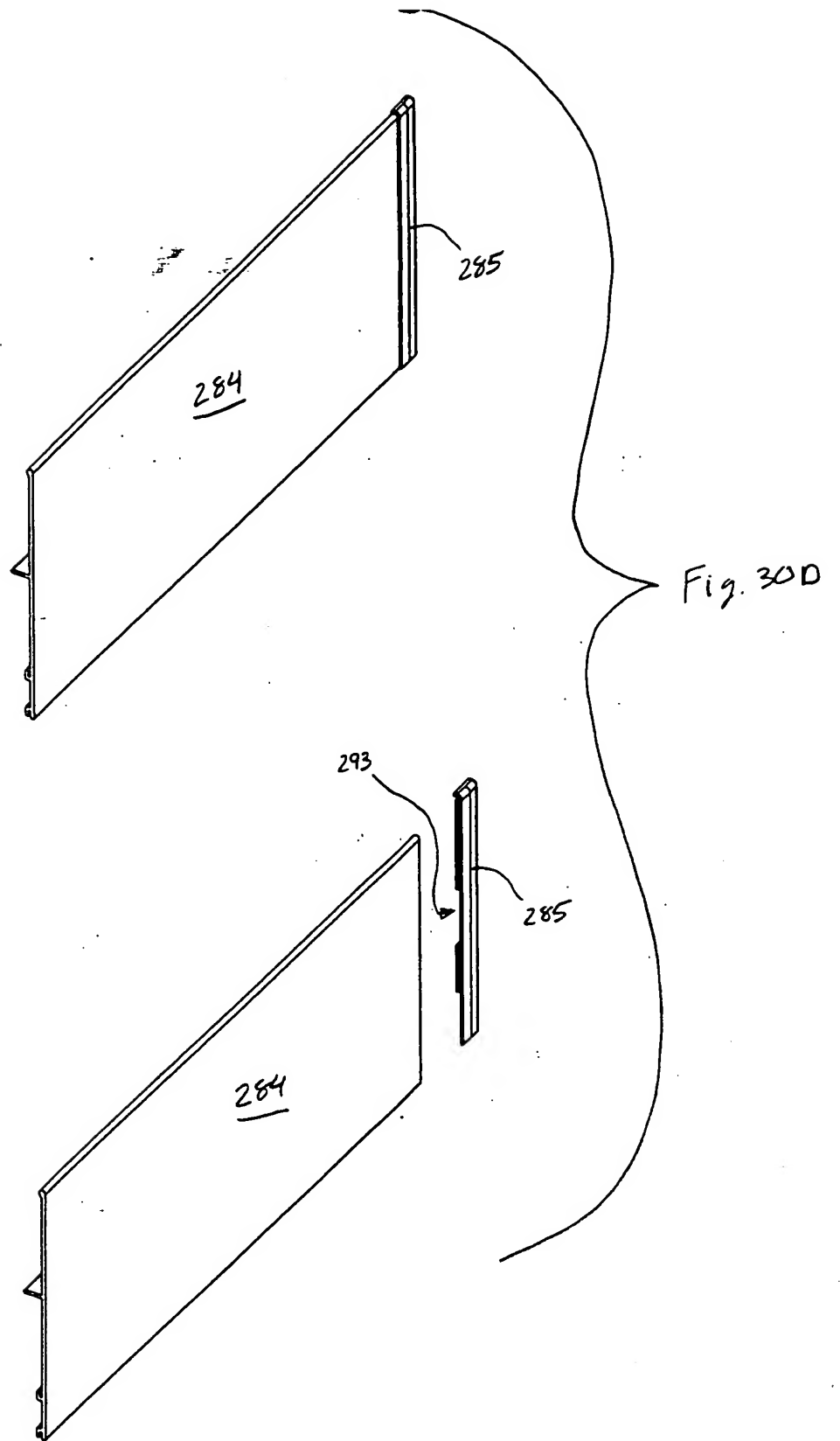


Fig. 30C



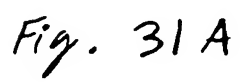


Fig. 31 A

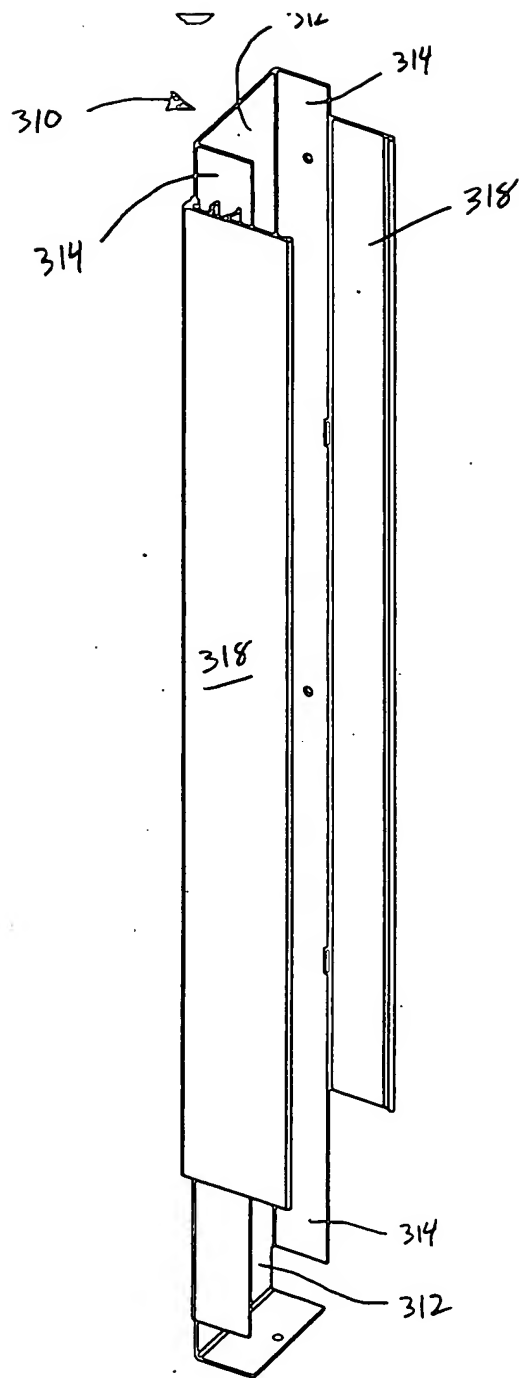


Fig. 31C

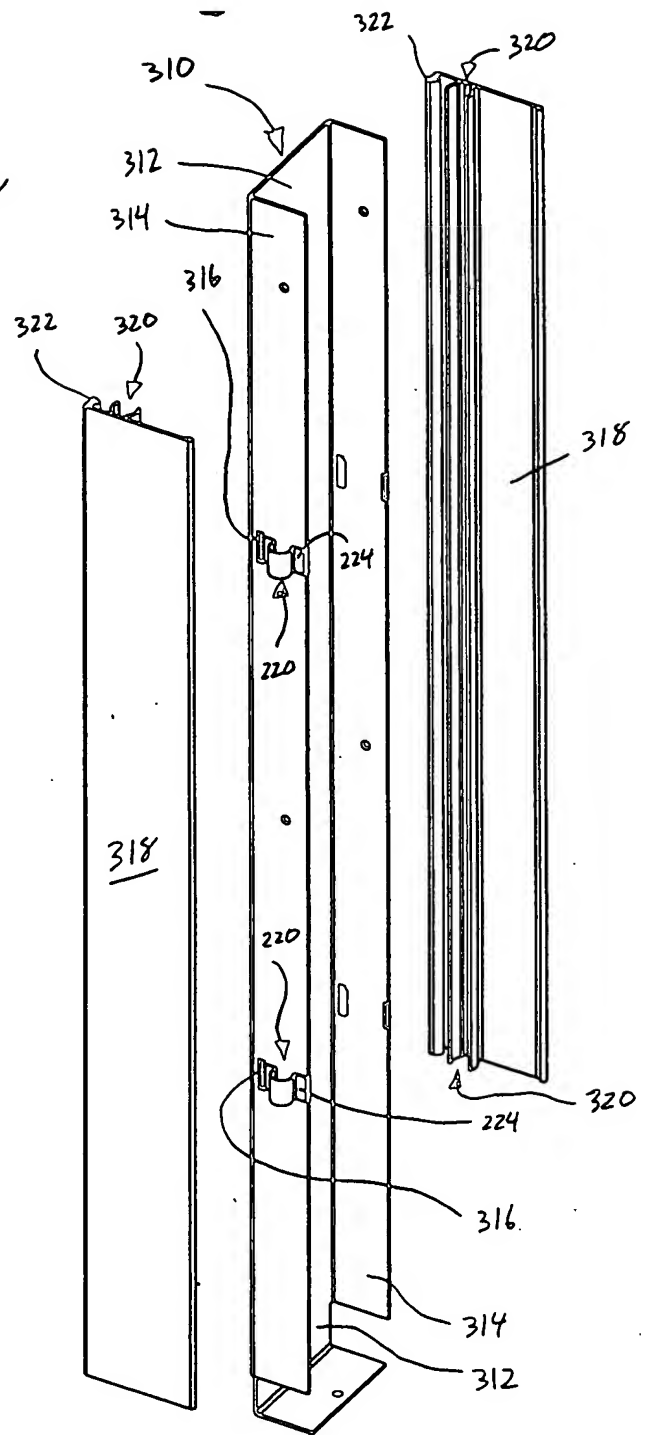


Fig. 31 B

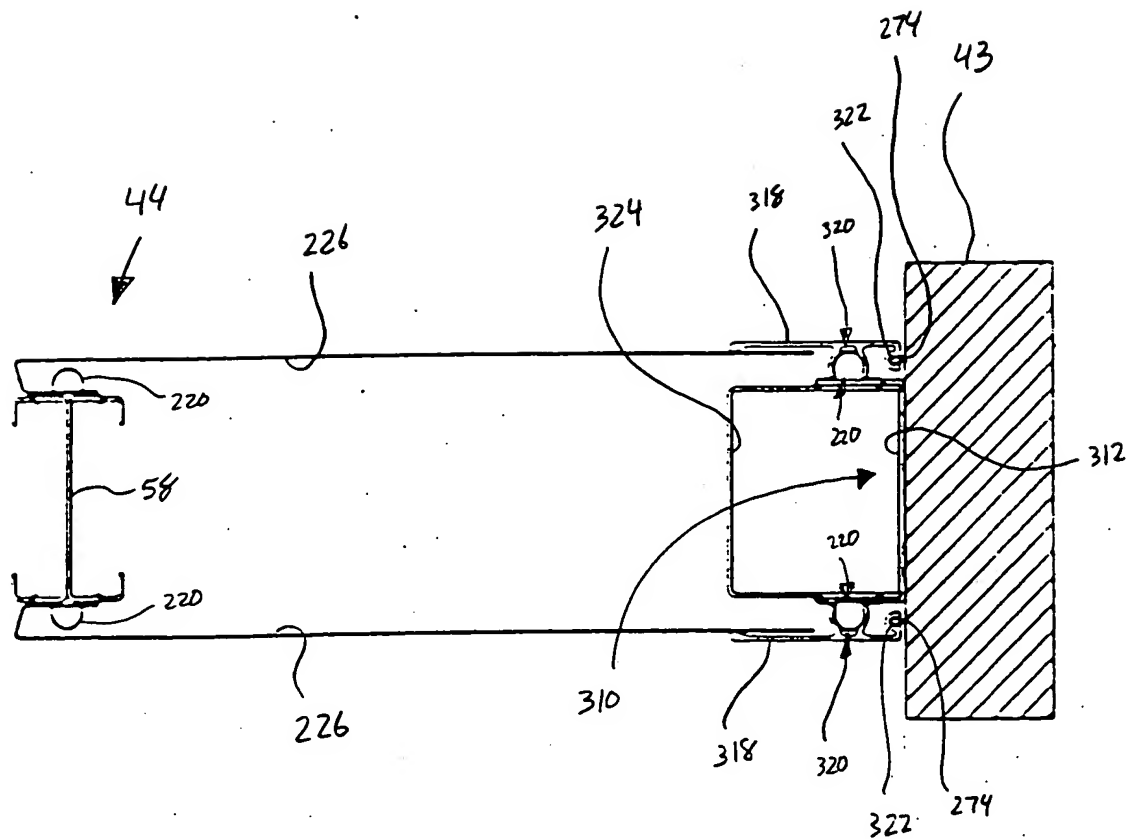


Fig. 32 A

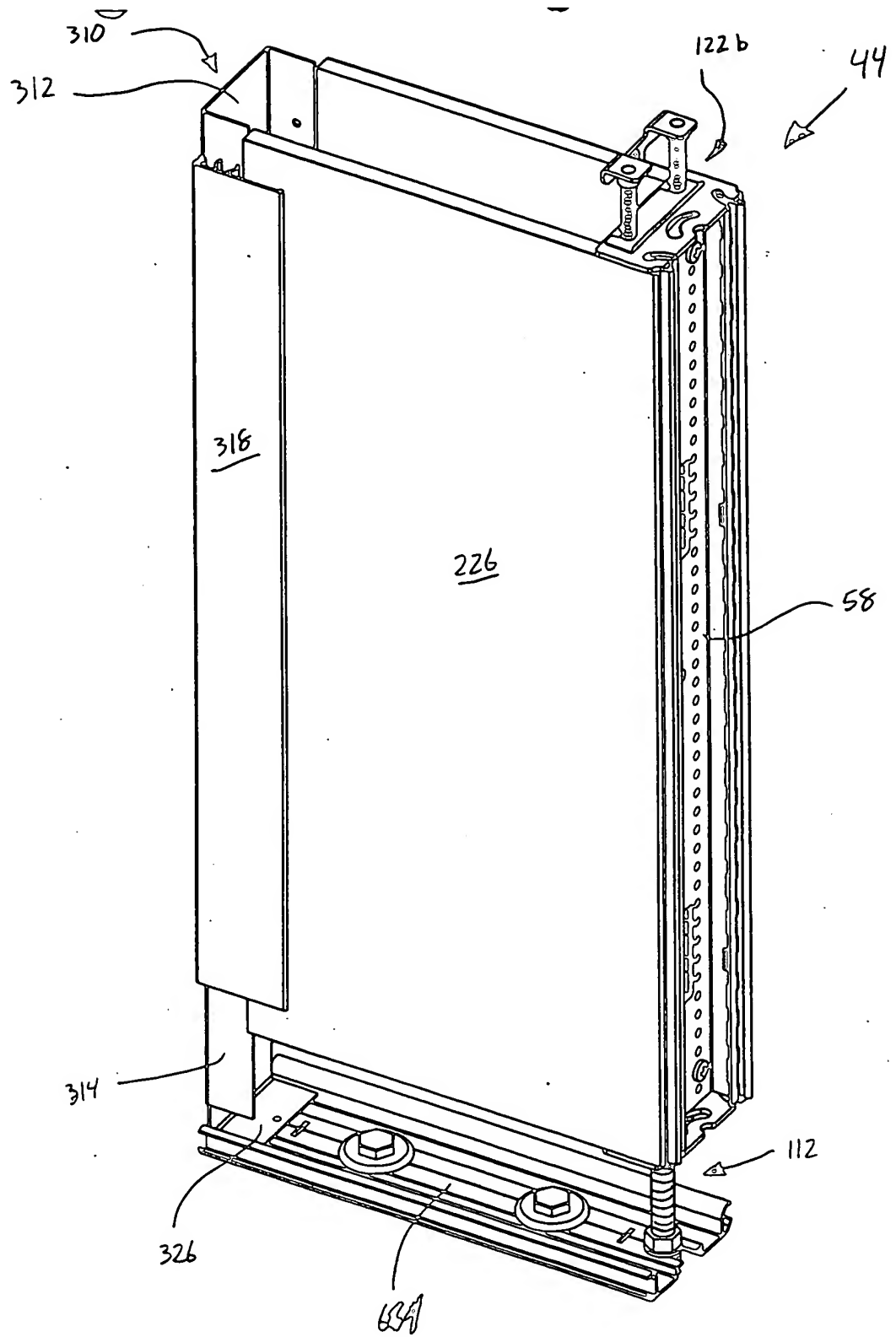


Fig. 32B

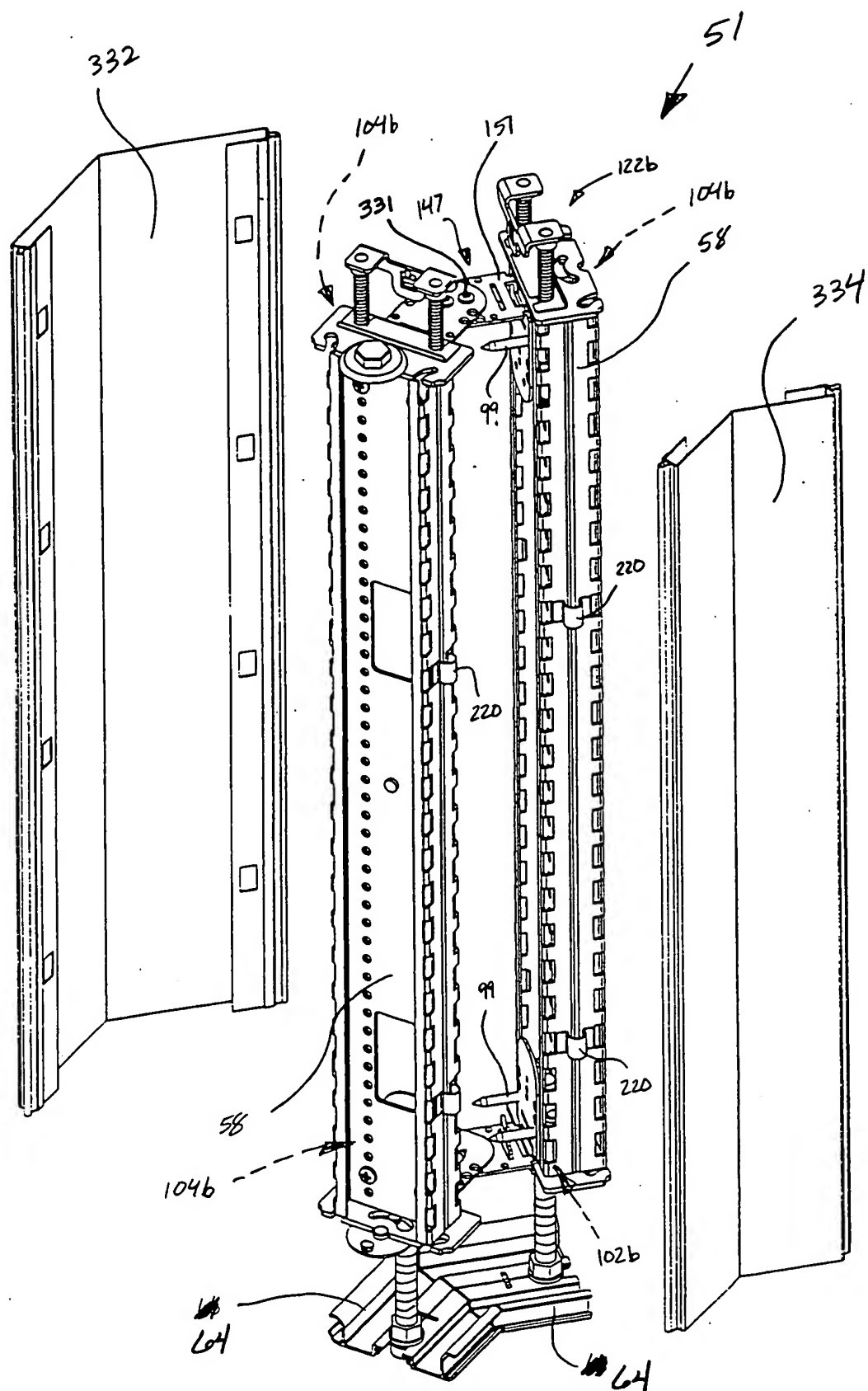


Fig. 33A

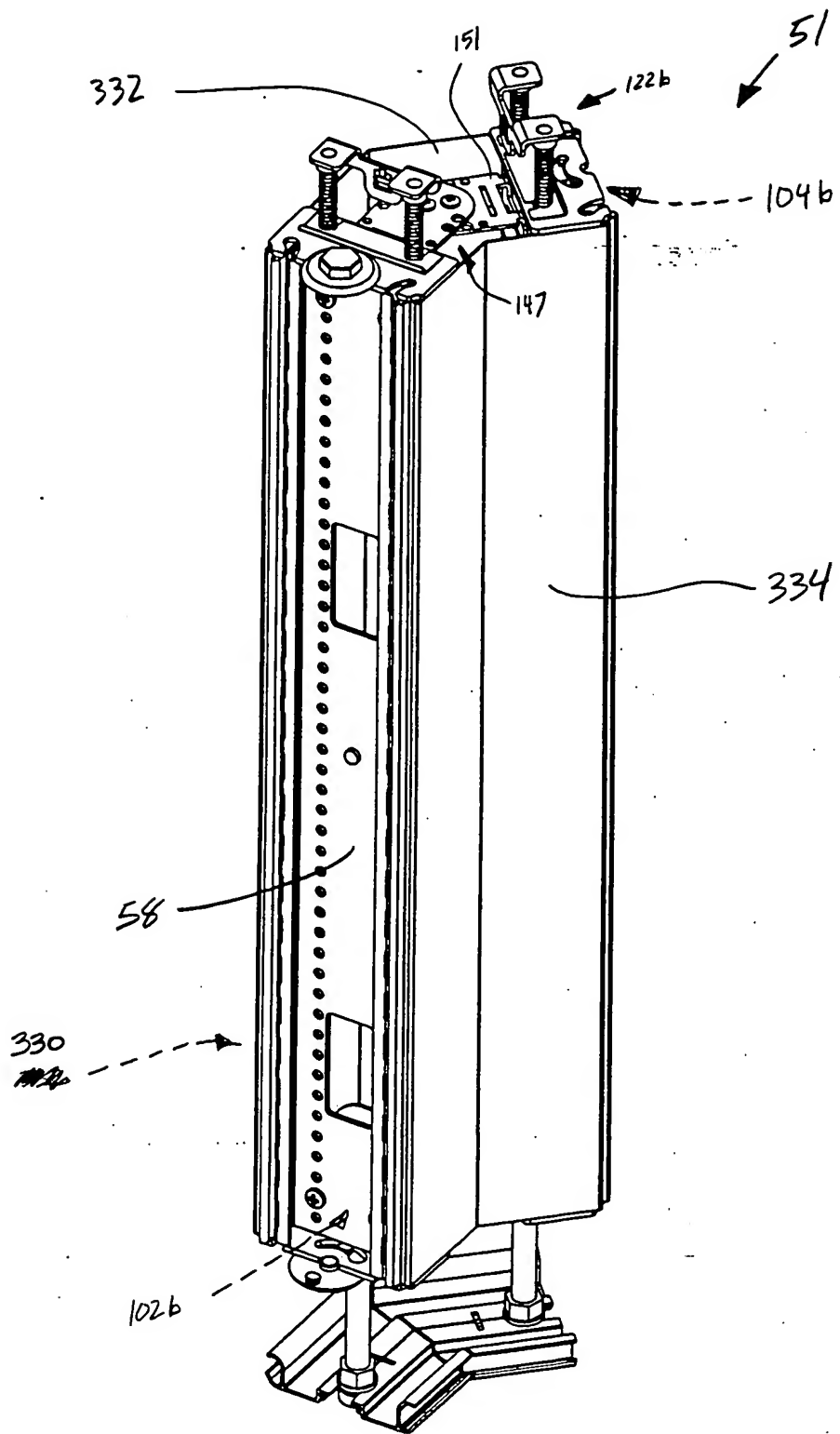


Fig. 33B

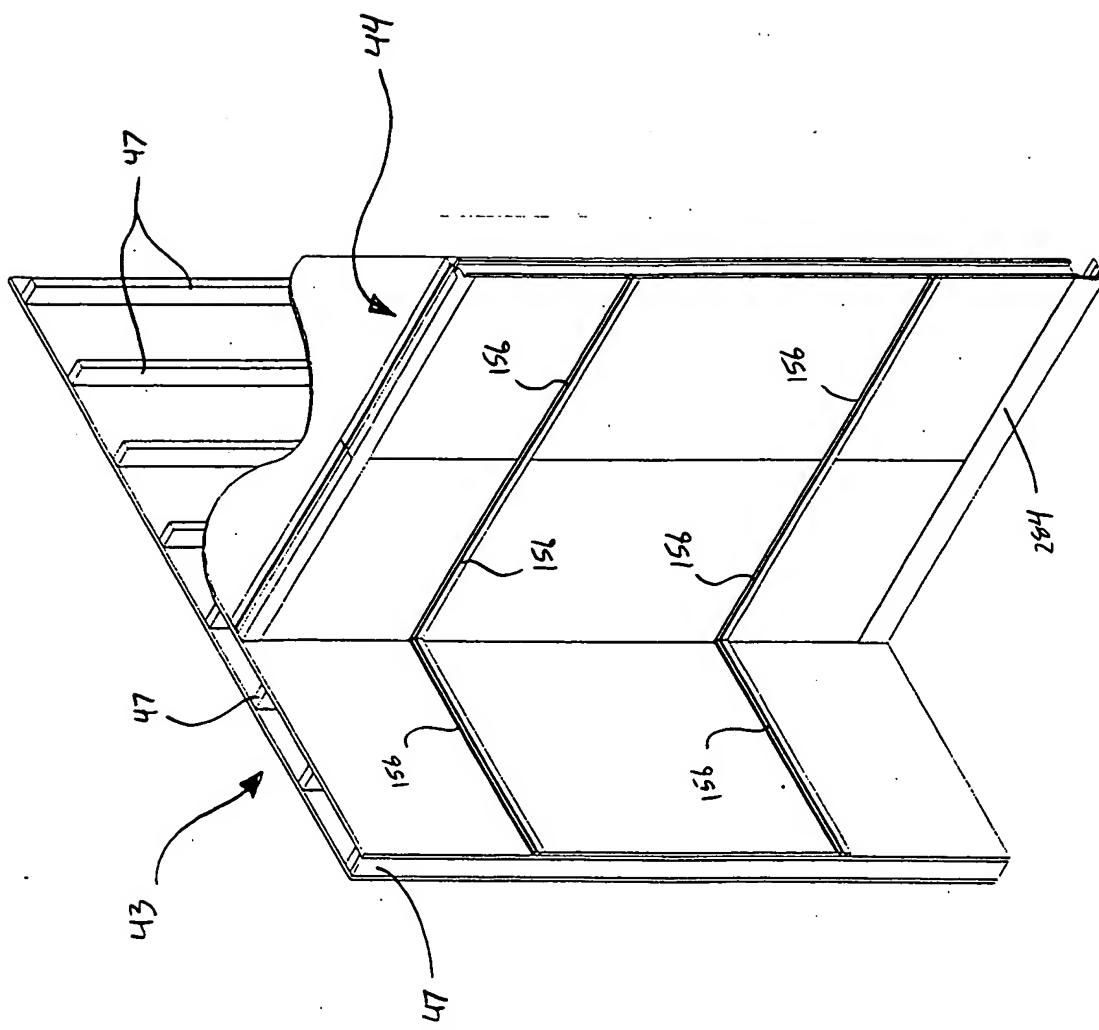


Fig. 34